



## 3COM-AMP3 through AYIYA-IPV6-TUNNELED

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## 3COM-AMP3

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | 3com-amp3                                                                                                                                                                                         |
| <b>Full Name</b>            | 3Com AMP3                                                                                                                                                                                         |
| <b>Description</b>          | Registered with IANA on port 629 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:629                                                                                                                                                                                            |
| <b>ID</b>                   | 538                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 629                                                                                                                                                                                               |
| TCP Port                    | 629                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | Default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic Class</b>        | Bulk data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

## 3COM-TSMUX

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | 3com-tsmux                                                                                                                                                                                        |
| <b>Full Name</b>            | 3Com TSMUX                                                                                                                                                                                        |
| <b>Description</b>          | Registered with IANA on port 106 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:106                                                                                                                                                                                            |
| <b>ID</b>                   | 977                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 106                                                                                                                                                                                               |
| TCP Port                    | 106                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# 3PC

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | 3pc                                                                                                                                                       |
| <b>Full Name</b>            | Third Party Connect Protocol                                                                                                                              |
| <b>Description</b>          | Registered with IANA as IP Protocol 34                                                                                                                    |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml">http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml</a> |
| <b>Global ID</b>            | L3:34                                                                                                                                                     |
| <b>ID</b>                   | 788                                                                                                                                                       |
| <b>Known Mappings</b>       |                                                                                                                                                           |
| UDP Port                    | -                                                                                                                                                         |
| TCP Port                    | -                                                                                                                                                         |
| IP Protocol                 | 34                                                                                                                                                        |
| <b>IP Version</b>           |                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                       |
| <b>Application Group</b>    | other                                                                                                                                                     |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                   |
| <b>Category</b>             | layer3-over-ip                                                                                                                                            |
| <b>Sub Category</b>         | other                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                        |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                 |
| <b>Tunnel</b>               | No                                                                                                                                                        |
| <b>Underlying Protocols</b> | -                                                                                                                                                         |

# 914C G

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | 914c/g                                                                                                                                                                                            |
| <b>Full Name</b>            | Texas Instruments 914 Terminal                                                                                                                                                                    |
| <b>Description</b>          | Registered with IANA on port 211 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:211                                                                                                                                                                                            |
| <b>ID</b>                   | 1109                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 211                                                                                                                                                                                               |
| TCP Port                    | 211                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                 |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | remote-access-terminal                                                                                                                                                                            |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# 9PFS

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>   | 9pfs                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Full Name</b>          | 9P                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>        | 9P(or thePlan 9 Filesystem ProtocolorStyx) is anetwork protocoldeveloped for thePlan 9 from Bell Labsdistributed operating systemas the means of connecting the components of a Plan 9 system. Files are key objects in Plan 9. They representwindows, networkconnections,processes, and almost anything else available in the operating system. UnlikeNFS, 9P encouragescachingand also servingsynthetic files. |
| <b>Reference</b>          | <a href="http://en.wikipedia.org/wiki/9P">http://en.wikipedia.org/wiki/9P</a>                                                                                                                                                                                                                                                                                                                                    |
| <b>Global ID</b>          | L4:564                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ID</b>                 | 479                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Known Mappings</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UDP Port                  | 564                                                                                                                                                                                                                                                                                                                                                                                                              |
| TCP Port                  | 564                                                                                                                                                                                                                                                                                                                                                                                                              |
| IP Protocol               | -                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>IP Version</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| IPv4 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                              |
| IPv6 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Group</b>  | other                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Business Relevance</b> | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Category</b>           | net-admin                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sub Category</b>       | storage                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>P2P Technology</b>     | No                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Encrypted</b>          | No                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Traffic-class</b>      | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tunnel</b>             | No                                                                                                                                                                                                                                                                                                                                                                                                               |



|                             |   |
|-----------------------------|---|
| <b>Underlying Protocols</b> | - |
|-----------------------------|---|

# ACAP

|                             |                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | acap                                                                                                                                                                                                                                                                                                                   |
| <b>Full Name</b>            | Application Configuration Access Protocol                                                                                                                                                                                                                                                                              |
| <b>Description</b>          | The Application Configuration Access Protocol (ACAP) is a protocol for storing and synchronizing general configuration and preference data. It was originally developed so that IMAP clients can easily access address books, user options, and other data on a central server and be kept in sync across all clients. |
| <b>Reference</b>            | <a href="http://www.ietf.org/rfc/rfc2244.txt">http://www.ietf.org/rfc/rfc2244.txt</a>                                                                                                                                                                                                                                  |
| <b>Global ID</b>            | L4:674                                                                                                                                                                                                                                                                                                                 |
| <b>ID</b>                   | 582                                                                                                                                                                                                                                                                                                                    |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                        |
| UDP Port                    | 674                                                                                                                                                                                                                                                                                                                    |
| TCP Port                    | 674                                                                                                                                                                                                                                                                                                                    |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                      |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                        |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                    |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                    |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                                  |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                      |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                                                                              |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                     |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                     |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                     |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                      |



# ACAS

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | acas                                                                                                                                                                                              |
| <b>Full Name</b>            | ACA Services                                                                                                                                                                                      |
| <b>Description</b>          | Registered with IANA on port 62 TCP/UDP                                                                                                                                                           |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:62                                                                                                                                                                                             |
| <b>ID</b>                   | 939                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 62                                                                                                                                                                                                |
| TCP Port                    | 62                                                                                                                                                                                                |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ACCESSBUILDER

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>   | accessbuilder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Full Name</b>          | AccessBuilder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>        | AccessBuilder (Access Builder) is a family of dial-in remote access servers that give mobile computer users and remote office workers full access to workgroup, departmental, and enterprise network resources. Remote users dial into AccessBuilder via analog or digital connections to get direct, transparent links to Ethernet and Token Ring LANs-just as if they were connected locally. AccessBuilder products support a broad range of computing platforms, network operating systems, and protocols to fit a variety of network environments. They provide multi-protocol bridging and routing for wide area Client-to-LAN connections and remote LAN extensions to the central site. |
| <b>Reference</b>          | <a href="http://www.all3com.com/accessbuilder.html">http://www.all3com.com/accessbuilder.html</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Global ID</b>          | L4:888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ID</b>                 | 662                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Known Mappings</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UDP Port                  | 888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TCP Port                  | 888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IP Protocol               | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>IP Version</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| IPv4 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IPv6 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Application Group</b>  | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Business Relevance</b> | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Category</b>           | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Sub Category</b>       | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>P2P Technology</b>     | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Encrypted</b>          | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Traffic-class</b>      | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                             |    |
|-----------------------------|----|
| <b>Tunnel</b>               | No |
| <b>Underlying Protocols</b> | -  |

# ACCESSNETWORK

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | accessnetwork                                                                                                                                                                                     |
| <b>Full Name</b>            | Access Network                                                                                                                                                                                    |
| <b>Description</b>          | Registered with IANA on port 699 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:699                                                                                                                                                                                            |
| <b>ID</b>                   | 607                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 699                                                                                                                                                                                               |
| TCP Port                    | 699                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | Default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ACP

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | acp                                                                                                                                                                                               |
| <b>Full Name</b>            | Aeolon Core Protocol                                                                                                                                                                              |
| <b>Description</b>          | Registered with IANA on port 599 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:599                                                                                                                                                                                            |
| <b>ID</b>                   | 513                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 599                                                                                                                                                                                               |
| TCP Port                    | 599                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |



# ACR-NEMA

|                             |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | acr-nema                                                                                                             |
| <b>Full Name</b>            | ACR-NEMA Digital Img                                                                                                 |
| <b>Description</b>          | ACR-NEMA Digital Img is a standard for handling, storing, printing, and transmitting information in medical imaging. |
| <b>Reference</b>            | <a href="http://medical.nema.org/Dicom/2011/11_01pu.pdf">http://medical.nema.org/Dicom/2011/11_01pu.pdf</a>          |
| <b>Global ID</b>            | L4:104                                                                                                               |
| <b>ID</b>                   | 975                                                                                                                  |
| <b>Known Mappings</b>       |                                                                                                                      |
| UDP Port                    | 104                                                                                                                  |
| TCP Port                    | 104                                                                                                                  |
| IP Protocol                 | -                                                                                                                    |
| <b>IP Version</b>           |                                                                                                                      |
| IPv4 Support                | Yes                                                                                                                  |
| IPv6 Support                | Yes                                                                                                                  |
| <b>Application Group</b>    | other                                                                                                                |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                              |
| <b>Category</b>             | industrial-protocols                                                                                                 |
| <b>Sub Category</b>         | other                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                   |
| <b>Encrypted</b>            | No                                                                                                                   |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                            |
| <b>Tunnel</b>               | No                                                                                                                   |
| <b>Underlying Protocols</b> | -                                                                                                                    |

# ACTIVE-DIRECTORY

|                             |                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | active-directory                                                                                                                                                                                                                                                                                                                                  |
| <b>Full Name</b>            | Active Directory                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>          | Active-Directory (AD) is a directory service created by Microsoft for Windows domain networks, responsible for authenticating and authorizing all users and computers within a network of Windows domain type, assigning and enforcing security policies for all computers in a network and installing or updating software on network computers. |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/Active_Directory">http://en.wikipedia.org/wiki/Active_Directory</a>                                                                                                                                                                                                                                         |
| <b>Global ID</b>            | L7:473                                                                                                                                                                                                                                                                                                                                            |
| <b>ID</b>                   | 1194                                                                                                                                                                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                   |
| UDP Port                    | 389                                                                                                                                                                                                                                                                                                                                               |
| TCP Port                    | 135,139,389,443,445                                                                                                                                                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                                                             |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                 |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                                                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                |
| <b>Encrypted</b>            | Yes                                                                                                                                                                                                                                                                                                                                               |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | ms-rpc,ldap,cifs,ssl                                                                                                                                                                                                                                                                                                                              |



# ACTIVESYNC

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>   | activesync                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Full Name</b>          | ActiveSync                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>        | ActiveSync is a mobile data synchronization technology and protocol based on HTTP, developed by Microsoft. One implementation of the technology is that it synchronizes data and information with handheld devices and a specific desktop computer. The other technology, commonly known as Exchange ActiveSync (EAS), provides push synchronization of contacts, calendars, tasks, and email between ActiveSync-enabled servers and devices. |
| <b>Reference</b>          | <a href="http://msdn.microsoft.com/en-us/library/dd299446(v=exchg.80).aspx">http://msdn.microsoft.com/en-us/library/dd299446(v=exchg.80).aspx</a>                                                                                                                                                                                                                                                                                             |
| <b>Global ID</b>          | L7:490                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ID</b>                 | 1419                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Known Mappings</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UDP Port                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TCP Port                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IP Protocol               | -                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>IP Version</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| IPv4 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| IPv6 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Application Group</b>  | other                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Business Relevance</b> | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Category</b>           | business-and-productivity-tools                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sub Category</b>       | client-server                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>P2P Technology</b>     | No                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Encrypted</b>          | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Traffic-class</b>      | transactional-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tunnel</b>             | No                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                             |      |
|-----------------------------|------|
| <b>Underlying Protocols</b> | http |
|-----------------------------|------|

# ADOBE-CONNECT

|                             |                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | adobe-connect                                                                                                 |
| <b>Full Name</b>            | Web conferencing solution for web meetings                                                                    |
| <b>Description</b>          | Adobe Connect is a web conferencing platform for web meetings, eLearning and webinars.                        |
| <b>Reference</b>            | <a href="http://www.adobe.com/products/adobeconnect.html">http://www.adobe.com/products/adobeconnect.html</a> |
| <b>Global ID</b>            | L7:505                                                                                                        |
| <b>ID</b>                   | 1441                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                               |
| UDP Port                    | -                                                                                                             |
| TCP Port                    | 80,443                                                                                                        |
| IP Protocol                 | -                                                                                                             |
| <b>IP Version</b>           |                                                                                                               |
| IPv4 Support                | Yes                                                                                                           |
| IPv6 Support                | Yes                                                                                                           |
| <b>Application Group</b>    | other                                                                                                         |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                       |
| <b>Category</b>             | business-and-productivity-tools                                                                               |
| <b>Sub Category</b>         | voice-video-chat-collaboration                                                                                |
| <b>P2P Technology</b>       | No                                                                                                            |
| <b>Encrypted</b>            | Yes                                                                                                           |
| <b>Traffic-class</b>        | multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                       |
| <b>Tunnel</b>               | No                                                                                                            |
| <b>Underlying Protocols</b> | ssl,http,rtmp                                                                                                 |

# AED-512

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aed-512                                                                                                                                                                                           |
| <b>Full Name</b>            | AED 512 Emulation service                                                                                                                                                                         |
| <b>Description</b>          | Registered with IANA on port 149 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:149                                                                                                                                                                                            |
| <b>ID</b>                   | 963                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 149                                                                                                                                                                                               |
| TCP Port                    | 149                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AFPOVERTCP

|                             |                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | afpovertcp                                                                                                                                                                                                                                    |
| <b>Full Name</b>            | Apple Filing Protocol over TCP                                                                                                                                                                                                                |
| <b>Description</b>          | Apple Filing Protocol (AFP) is a proprietary network protocol that offers file services for Mac OS X and original Mac OS.                                                                                                                     |
| <b>Reference</b>            | <a href="https://developer.apple.com/library/mac/#documentation/Networking/Conceptual/AFP/Introduction/Introduction.html">https://developer.apple.com/library/mac/#documentation/Networking/Conceptual/AFP/Introduction/Introduction.html</a> |
| <b>Global ID</b>            | L4:548                                                                                                                                                                                                                                        |
| <b>ID</b>                   | 1327                                                                                                                                                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                               |
| UDP Port                    | 548                                                                                                                                                                                                                                           |
| TCP Port                    | 548                                                                                                                                                                                                                                           |
| IP Protocol                 | -                                                                                                                                                                                                                                             |
| <b>IP Version</b>           |                                                                                                                                                                                                                                               |
| IPv4 Support                | Yes                                                                                                                                                                                                                                           |
| IPv6 Support                | Yes                                                                                                                                                                                                                                           |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                         |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                             |
| <b>Category</b>             | business-and-productivity-tools                                                                                                                                                                                                               |
| <b>Sub Category</b>         | backup-systems                                                                                                                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                            |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                            |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                     |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                            |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                             |



# AGENTX

|                             |                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | agentx                                                                                                                                                                                                  |
| <b>Full Name</b>            | AgentX                                                                                                                                                                                                  |
| <b>Description</b>          | AgentX is a protocol used to communicate between processing entities called master, agents and subagents, and the elements of procedure by which the extensible agent processes SNMP protocol messages. |
| <b>Reference</b>            | <a href="http://www.ietf.org/rfc/rfc2741.txt">http://www.ietf.org/rfc/rfc2741.txt</a>                                                                                                                   |
| <b>Global ID</b>            | L4:705                                                                                                                                                                                                  |
| <b>ID</b>                   | 609                                                                                                                                                                                                     |
| <b>Known Mappings</b>       |                                                                                                                                                                                                         |
| UDP Port                    | 705                                                                                                                                                                                                     |
| TCP Port                    | 705                                                                                                                                                                                                     |
| IP Protocol                 | -                                                                                                                                                                                                       |
| <b>IP Version</b>           |                                                                                                                                                                                                         |
| IPv4 Support                | Yes                                                                                                                                                                                                     |
| IPv6 Support                | Yes                                                                                                                                                                                                     |
| <b>Application Group</b>    | snmp-group                                                                                                                                                                                              |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                       |
| <b>Category</b>             | net-admin                                                                                                                                                                                               |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                      |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                      |
| <b>Encrypted</b>            | No                                                                                                                                                                                                      |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                      |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                       |

# AIRPLAY

|                             |                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | airplay                                                                                                                                                                                                       |
| <b>Full Name</b>            | AirPlay                                                                                                                                                                                                       |
| <b>Description</b>          | AirPlay (previously called AirTunes) is a proprietary protocol stack/suite developed by Apple Inc. that allows wireless streaming of audio, video and photos, together with related metadata between devices. |
| <b>Reference</b>            | <a href="http://www.apple.com/airplay/">http://www.apple.com/airplay/</a>                                                                                                                                     |
| <b>Global ID</b>            | L7:549                                                                                                                                                                                                        |
| <b>ID</b>                   | 1483                                                                                                                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                                                                                                                               |
| UDP Port                    | -                                                                                                                                                                                                             |
| TCP Port                    | -                                                                                                                                                                                                             |
| IP Protocol                 | -                                                                                                                                                                                                             |
| <b>IP Version</b>           |                                                                                                                                                                                                               |
| IPv4 Support                | Yes                                                                                                                                                                                                           |
| IPv6 Support                | Yes                                                                                                                                                                                                           |
| <b>Application Group</b>    | other                                                                                                                                                                                                         |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | voice-and-video                                                                                                                                                                                               |
| <b>Sub Category</b>         | streaming                                                                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                            |
| <b>Encrypted</b>            | No                                                                                                                                                                                                            |
| <b>Traffic-class</b>        | multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                            |
| <b>Underlying Protocols</b> | rtsp,http,itunes                                                                                                                                                                                              |

# ALPES

|                             |                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | alpes                                                                                                                                                                                                                                                 |
| <b>Full Name</b>            | Administration Delocalisee Par Emissions Securisee (remote administration using secured messages)                                                                                                                                                     |
| <b>Description</b>          | ALPES is a client server protocol build on top of TCP. Its main goal is to secure the administration of a network of computers by transferring configuration text files between an information server and its clients and executing programs on them. |
| <b>Reference</b>            | <a href="http://tools.ietf.org/id/draft-durand-alpes-00.txt">http://tools.ietf.org/id/draft-durand-alpes-00.txt</a>                                                                                                                                   |
| <b>Global ID</b>            | L4:463                                                                                                                                                                                                                                                |
| <b>ID</b>                   | 377                                                                                                                                                                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                       |
| UDP Port                    | 463                                                                                                                                                                                                                                                   |
| TCP Port                    | 463                                                                                                                                                                                                                                                   |
| IP Protocol                 | -                                                                                                                                                                                                                                                     |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                       |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                   |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                   |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                 |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                     |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                             |
| <b>Sub Category</b>         | remote-access-terminal                                                                                                                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                    |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                    |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                        |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                    |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                     |



# AMINET

|                             |                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aminet                                                                                                                |
| <b>Full Name</b>            | AMInet                                                                                                                |
| <b>Description</b>          | AMInet Protocol is used for communication and control of Alcorn McBride Inc. products.                                |
| <b>Reference</b>            | <a href="http://www.alcorn.com/library/manuals/man_dvmhd.pdf">http://www.alcorn.com/library/manuals/man_dvmhd.pdf</a> |
| <b>Global ID</b>            | L4:2639                                                                                                               |
| <b>ID</b>                   | 558                                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                                       |
| UDP Port                    | 2639                                                                                                                  |
| TCP Port                    | 2639                                                                                                                  |
| IP Protocol                 | -                                                                                                                     |
| <b>IP Version</b>           |                                                                                                                       |
| IPv4 Support                | Yes                                                                                                                   |
| IPv6 Support                | Yes                                                                                                                   |
| <b>Application Group</b>    | other                                                                                                                 |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                     |
| <b>Category</b>             | file-sharing                                                                                                          |
| <b>Sub Category</b>         | other                                                                                                                 |
| <b>P2P Technology</b>       | No                                                                                                                    |
| <b>Encrypted</b>            | No                                                                                                                    |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                        |
| <b>Tunnel</b>               | No                                                                                                                    |
| <b>Underlying Protocols</b> | -                                                                                                                     |

## AN

|                             |                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | an                                                                                                                                                                                                                                                                                                                             |
| <b>Full Name</b>            | Active Networks                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>          | Active Networks is a networking technology used to enable unique processing of each network packet. This is accomplished by sending the proper processing code along with the payload of each packet, or in a separate control flow. This code can then be executed by certain nodes, called Active Nodes, inside the network. |
| <b>Reference</b>            | <a href="http://www.isi.edu/active-signal/ARP/DOCUMENTS/DANCE.ARP.FINAL.pdf">http://www.isi.edu/active-signal/ARP/DOCUMENTS/DANCE.ARP.FINAL.pdf</a>                                                                                                                                                                            |
| <b>Global ID</b>            | L3:107                                                                                                                                                                                                                                                                                                                         |
| <b>ID</b>                   | 861                                                                                                                                                                                                                                                                                                                            |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                |
| UDP Port                    | -                                                                                                                                                                                                                                                                                                                              |
| TCP Port                    | -                                                                                                                                                                                                                                                                                                                              |
| IP Protocol                 | 107                                                                                                                                                                                                                                                                                                                            |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                            |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                            |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                                          |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                        |
| <b>Category</b>             | layer3-over-ip                                                                                                                                                                                                                                                                                                                 |
| <b>Sub Category</b>         | other                                                                                                                                                                                                                                                                                                                          |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                             |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                             |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                      |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                             |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                              |



# ANET

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | anet                                                                                                                                                                                              |
| <b>Full Name</b>            | ATEXSSTR                                                                                                                                                                                          |
| <b>Description</b>          | Registered with IANA on port 212 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:212                                                                                                                                                                                            |
| <b>ID</b>                   | 1110                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 212                                                                                                                                                                                               |
| TCP Port                    | 212                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |



# ANSANOTIFY

|                             |                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ansanotify                                                                                                                                              |
| <b>Full Name</b>            | ANSA REX Notify                                                                                                                                         |
| <b>Description</b>          | The Remote EXecution Protocol (REX) provides a simple service for process-to-process interactions across a network, as part of ANSA Engineering Module. |
| <b>Reference</b>            | <a href="http://www.ansa.co.uk/ANSATech/89/ANSAREF/Aref_07b.pdf">http://www.ansa.co.uk/ANSATech/89/ANSAREF/Aref_07b.pdf</a>                             |
| <b>Global ID</b>            | L4:116                                                                                                                                                  |
| <b>ID</b>                   | 986                                                                                                                                                     |
| <b>Known Mappings</b>       |                                                                                                                                                         |
| UDP Port                    | 116                                                                                                                                                     |
| TCP Port                    | 116                                                                                                                                                     |
| IP Protocol                 | -                                                                                                                                                       |
| <b>IP Version</b>           |                                                                                                                                                         |
| IPv4 Support                | Yes                                                                                                                                                     |
| IPv6 Support                | Yes                                                                                                                                                     |
| <b>Application Group</b>    | other                                                                                                                                                   |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                 |
| <b>Category</b>             | other                                                                                                                                                   |
| <b>Sub Category</b>         | other                                                                                                                                                   |
| <b>P2P Technology</b>       | No                                                                                                                                                      |
| <b>Encrypted</b>            | No                                                                                                                                                      |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                               |
| <b>Tunnel</b>               | No                                                                                                                                                      |
| <b>Underlying Protocols</b> | -                                                                                                                                                       |

# ANSATRADER

|                             |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ansatrader                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Full Name</b>            | ANSA REX Trader                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>          | ANSAware is an infrastructure for developing and running distributed application. It is available for a number of operating system like SunOS, HP/UX, VMS and MS DOS. A factory server is able to create server processes called capsules, and interfaces for a certain service type dynamically on the local computer node. References to these interfaces are mediated by a server called trader. |
| <b>Reference</b>            | <a href="http://www.ansa.co.uk/ANSATech/89/ANSAREF/Aref_07b.pdf">http://www.ansa.co.uk/ANSATech/89/ANSAREF/Aref_07b.pdf</a>                                                                                                                                                                                                                                                                         |
| <b>Global ID</b>            | L4:124                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ID</b>                   | 993                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                                                                     |
| UDP Port                    | 124                                                                                                                                                                                                                                                                                                                                                                                                 |
| TCP Port                    | 124                                                                                                                                                                                                                                                                                                                                                                                                 |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                                                                                     |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                 |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                 |
| <b>Category</b>             | other                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Sub Category</b>         | other                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Traffic-class</b>        | multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                             |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                                                                                   |



# ANY-HOST-INTERNAL

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | any-host-internal                                                                                                                                         |
| <b>Full Name</b>            | any host internal protocol                                                                                                                                |
| <b>Description</b>          | Registered with IANA as IP Protocol 61                                                                                                                    |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml">http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml</a> |
| <b>Global ID</b>            | L3:61                                                                                                                                                     |
| <b>ID</b>                   | 815                                                                                                                                                       |
| <b>Known Mappings</b>       |                                                                                                                                                           |
| UDP Port                    | -                                                                                                                                                         |
| TCP Port                    | -                                                                                                                                                         |
| IP Protocol                 | 61                                                                                                                                                        |
| <b>IP Version</b>           |                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                       |
| <b>Application Group</b>    | other                                                                                                                                                     |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                   |
| <b>Category</b>             | layer3-over-ip                                                                                                                                            |
| <b>Sub Category</b>         | other                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                        |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                 |
| <b>Tunnel</b>               | No                                                                                                                                                        |
| <b>Underlying Protocols</b> | -                                                                                                                                                         |

# AODV

|                             |                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aodv                                                                                                                                  |
| <b>Full Name</b>            | Ad hoc On-Demand Distance Vector Routing                                                                                              |
| <b>Description</b>          | Ad hoc On-Demand Distance Vector (AODV) is a routing protocol for mobile ad hoc networks (MANETs) and other wireless ad-hoc networks. |
| <b>Reference</b>            | <a href="http://www.ietf.org/rfc/rfc3561.txt">http://www.ietf.org/rfc/rfc3561.txt</a>                                                 |
| <b>Global ID</b>            | L4:654                                                                                                                                |
| <b>ID</b>                   | 563                                                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                                                       |
| UDP Port                    | 654                                                                                                                                   |
| TCP Port                    | 654                                                                                                                                   |
| IP Protocol                 | -                                                                                                                                     |
| <b>IP Version</b>           |                                                                                                                                       |
| IPv4 Support                | Yes                                                                                                                                   |
| IPv6 Support                | Yes                                                                                                                                   |
| <b>Application Group</b>    | other                                                                                                                                 |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                     |
| <b>Category</b>             | net-admin                                                                                                                             |
| <b>Sub Category</b>         | routing-protocol                                                                                                                      |
| <b>P2P Technology</b>       | No                                                                                                                                    |
| <b>Encrypted</b>            | No                                                                                                                                    |
| <b>Traffic-class</b>        | network-control. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                       |
| <b>Tunnel</b>               | No                                                                                                                                    |
| <b>Underlying Protocols</b> | -                                                                                                                                     |

# AOL-MESSENGER

|                             |                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aol-messenger                                                                                                                                                                                                                                                                                                                                 |
| <b>Full Name</b>            | AOL Instant Messenger Text Chat                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>          | AOL Instant Messenger Text Chat is the instant messaging part of AOL Instant Messenger, a software that allows users to communicate either through AIM contacts or Facebook/Google-talk contacts and share photos. AIM uses mixed protocols to support its rich feature sets, which include OSCAR, HTTP, STUN, UDP, TCP as well as SIP / RTP. |
| <b>Reference</b>            | <a href="http://www.aim.com/">http://www.aim.com/</a>                                                                                                                                                                                                                                                                                         |
| <b>Global ID</b>            | L7:79                                                                                                                                                                                                                                                                                                                                         |
| <b>ID</b>                   | 79                                                                                                                                                                                                                                                                                                                                            |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                               |
| UDP Port                    | -                                                                                                                                                                                                                                                                                                                                             |
| TCP Port                    | -                                                                                                                                                                                                                                                                                                                                             |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                             |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                               |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                           |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                           |
| <b>Application Group</b>    | aol-group                                                                                                                                                                                                                                                                                                                                     |
| <b>Category</b>             | instant-messaging                                                                                                                                                                                                                                                                                                                             |
| <b>Sub Category</b>         | voice-video-chat-collaboration                                                                                                                                                                                                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                            |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                            |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                            |
| <b>Underlying Protocols</b> | ssl,spdy,socks                                                                                                                                                                                                                                                                                                                                |

# AOL-MESSENGER-AUDIO

|                             |                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aol-messenger-audio                                                                                                                                                                       |
| <b>Full Name</b>            | AOL Instant Messenger Audio                                                                                                                                                               |
| <b>Description</b>          | AOL Instant Messenger (AIM) Audio Calls classification. Flows can be over TCP or over UDP if the two clients are on the same network. AIM uses RTP over STUN to send audio data over UDP. |
| <b>Reference</b>            | <a href="http://www.aim.com/">http://www.aim.com/</a>                                                                                                                                     |
| <b>Global ID</b>            | L7:500                                                                                                                                                                                    |
| <b>ID</b>                   | 1436                                                                                                                                                                                      |
| <b>Known Mappings</b>       |                                                                                                                                                                                           |
| UDP Port                    | 3478                                                                                                                                                                                      |
| TCP Port                    | 3478                                                                                                                                                                                      |
| IP Protocol                 | -                                                                                                                                                                                         |
| <b>IP Version</b>           |                                                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                                                       |
| <b>Application Group</b>    | aol-group                                                                                                                                                                                 |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                       |
| <b>Category</b>             | voice-and-video                                                                                                                                                                           |
| <b>Sub Category</b>         | voice-video-chat-collaboration                                                                                                                                                            |
| <b>P2P Technology</b>       | No                                                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                                                        |
| <b>Traffic-class</b>        | voip-telephony. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                            |
| <b>Tunnel</b>               | No                                                                                                                                                                                        |
| <b>Underlying Protocols</b> | ssl,stun-nat,rtp                                                                                                                                                                          |

# AOL-MESSENGER-FT

|                             |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aol-messenger-ft                                                                                       |
| <b>Full Name</b>            | AOL Instant Messenger File Transfer                                                                    |
| <b>Description</b>          | AOL Instant Messenger File transfer flows classification. AIM File transfer flows Flows are TCP flows. |
| <b>Reference</b>            | <a href="http://www.aim.com">http://www.aim.com</a>                                                    |
| <b>Global ID</b>            | L7:502                                                                                                 |
| <b>ID</b>                   | 1438                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                        |
| UDP Port                    | -                                                                                                      |
| TCP Port                    | -                                                                                                      |
| IP Protocol                 | -                                                                                                      |
| <b>IP Version</b>           |                                                                                                        |
| IPv4 Support                | Yes                                                                                                    |
| IPv6 Support                | Yes                                                                                                    |
| <b>Application Group</b>    | aol-group                                                                                              |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                |
| <b>Category</b>             | file-sharing                                                                                           |
| <b>Sub Category</b>         | file-sharing                                                                                           |
| <b>P2P Technology</b>       | No                                                                                                     |
| <b>Encrypted</b>            | No                                                                                                     |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                              |
| <b>Tunnel</b>               | No                                                                                                     |
| <b>Underlying Protocols</b> | -                                                                                                      |



# AOL-MESSENGER-VIDEO

|                             |                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aol-messenger-video                                                                                                                                                                       |
| <b>Full Name</b>            | AOL Instant Messenger Video                                                                                                                                                               |
| <b>Description</b>          | AOL Instant Messenger (AIM) video calls classification. Flows can run over TCP or over UDP if the two clients are on the same network. It uses RTP over STUN to send video data over UDP. |
| <b>Reference</b>            | <a href="http://www.aim.com/">http://www.aim.com/</a>                                                                                                                                     |
| <b>Global ID</b>            | L7:501                                                                                                                                                                                    |
| <b>ID</b>                   | 1437                                                                                                                                                                                      |
| <b>Known Mappings</b>       |                                                                                                                                                                                           |
| UDP Port                    | 3478                                                                                                                                                                                      |
| TCP Port                    | 80,3478                                                                                                                                                                                   |
| IP Protocol                 | -                                                                                                                                                                                         |
| <b>IP Version</b>           |                                                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                                                       |
| <b>Application Group</b>    | aol-group                                                                                                                                                                                 |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                       |
| <b>Category</b>             | voice-and-video                                                                                                                                                                           |
| <b>Sub Category</b>         | voice-video-chat-collaboration                                                                                                                                                            |
| <b>P2P Technology</b>       | No                                                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                                                        |
| <b>Traffic-class</b>        | multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                   |
| <b>Tunnel</b>               | No                                                                                                                                                                                        |
| <b>Underlying Protocols</b> | ssl,rtmp,stun-nat,rtp,aol-messenger-audio,http                                                                                                                                            |

# AOL-PROTOCOL

|                             |                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aol-protocol                                                                                      |
| <b>Full Name</b>            | AOL Protocol                                                                                      |
| <b>Description</b>          | AOL-Protocol (also known as OSCAR) is an underlying protocol used in AIM and ICQ.                 |
| <b>Reference</b>            | <a href="http://daol.aol.com/software/aoldesktop97">http://daol.aol.com/software/aoldesktop97</a> |
| <b>Global ID</b>            | L4:5190                                                                                           |
| <b>ID</b>                   | 1224                                                                                              |
| <b>Known Mappings</b>       |                                                                                                   |
| UDP Port                    | 5190                                                                                              |
| TCP Port                    | -                                                                                                 |
| IP Protocol                 | -                                                                                                 |
| <b>IP Version</b>           |                                                                                                   |
| IPv4 Support                | Yes                                                                                               |
| IPv6 Support                | Yes                                                                                               |
| <b>Application Group</b>    | aol-group                                                                                         |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                               |
| <b>Category</b>             | instant-messaging                                                                                 |
| <b>Sub Category</b>         | voice-video-chat-collaboration                                                                    |
| <b>P2P Technology</b>       | No                                                                                                |
| <b>Encrypted</b>            | No                                                                                                |
| <b>Traffic-class</b>        | multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                           |
| <b>Tunnel</b>               | No                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                 |

# APC-POWERCHUTE

|                             |                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | apc-powerchute                                                                                                                                                                                                                                                                                     |
| <b>Full Name</b>            | American Power Conversion PowerChute                                                                                                                                                                                                                                                               |
| <b>Description</b>          | PowerChute is a computer program by American Power Conversion (APC) used to control the uninterruptible power supplies (UPS) the company produces. It provides unattended shutdown of servers and workstations in the event of an extended power outage. It also monitors and logs the UPS status. |
| <b>Reference</b>            | <a href="http://www.apc.com/">http://www.apc.com/</a>                                                                                                                                                                                                                                              |
| <b>Global ID</b>            | L4:2160                                                                                                                                                                                                                                                                                            |
| <b>ID</b>                   | 1374                                                                                                                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                    |
| UDP Port                    | 2160,2161,2260,3052,3506,5454,5455,5456,6547,6548,6549,7845,7846,9950,9951,9952                                                                                                                                                                                                                    |
| TCP Port                    | 2160,2161,2260,3052,3506,5454,5455,5456,6547,6548,6549,7845,7846,9950,9951,9952                                                                                                                                                                                                                    |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                  |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                    |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                              |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                            |
| <b>Category</b>             | other                                                                                                                                                                                                                                                                                              |
| <b>Sub Category</b>         | other                                                                                                                                                                                                                                                                                              |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                 |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                 |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                 |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                  |



# APERTUS-LDP

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | apertus-ldp                                                                                                                                                                                       |
| <b>Full Name</b>            | Apertus Tech Load Distribution                                                                                                                                                                    |
| <b>Description</b>          | Registered with IANA on port 539 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:539                                                                                                                                                                                            |
| <b>ID</b>                   | 457                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 539                                                                                                                                                                                               |
| TCP Port                    | 539                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# APPLEJUICE

|                             |                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | applejuice                                                                                                                                                                                                                                                                                                                                    |
| <b>Full Name</b>            | Apple juice P2P file sharing                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>          | Apple juice P2P file sharing is a semi-centralized peer-to-peer file sharing network. The network is decentralized over many servers. It offers server and client software for Applejuicenet. The Applejuicenet is used for content distribution with a given Hashlink. The system has a built-in search tool to search servers for keywords. |
| <b>Reference</b>            | <a href="http://www.applejuicenet.de/">http://www.applejuicenet.de/</a>                                                                                                                                                                                                                                                                       |
| <b>Global ID</b>            | L4:9022                                                                                                                                                                                                                                                                                                                                       |
| <b>ID</b>                   | 1375                                                                                                                                                                                                                                                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                               |
| UDP Port                    | 9022                                                                                                                                                                                                                                                                                                                                          |
| TCP Port                    | 9022                                                                                                                                                                                                                                                                                                                                          |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                             |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                               |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                           |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                           |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                                                         |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                       |
| <b>Category</b>             | other                                                                                                                                                                                                                                                                                                                                         |
| <b>Sub Category</b>         | other                                                                                                                                                                                                                                                                                                                                         |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                            |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                            |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                     |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                            |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                             |



# APPLE-REMOTE-DESKTOP

|                             |                                                                                                                                                                                                                                                                  |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | apple-remote-desktop                                                                                                                                                                                                                                             |
| <b>Full Name</b>            | Apple Remote Desktop                                                                                                                                                                                                                                             |
| <b>Description</b>          | Apple Remote Desktop (ARD), is a desktop management system for Mac OS X produced by Apple Inc. which allows users to remotely control or monitor other computers over a network. Apple Remote Desktop replaced a similar product called Apple Network Assistant. |
| <b>Reference</b>            | <a href="http://www.apple.com/remotedesktop/">http://www.apple.com/remotedesktop/</a>                                                                                                                                                                            |
| <b>Global ID</b>            | L4:3283                                                                                                                                                                                                                                                          |
| <b>ID</b>                   | 1475                                                                                                                                                                                                                                                             |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                  |
| UDP Port                    | 3283                                                                                                                                                                                                                                                             |
| TCP Port                    | 3283                                                                                                                                                                                                                                                             |
| IP Protocol                 | -                                                                                                                                                                                                                                                                |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                  |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                              |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                              |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                            |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                        |
| <b>Sub Category</b>         | remote-access-terminal                                                                                                                                                                                                                                           |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                               |
| <b>Encrypted</b>            | Yes                                                                                                                                                                                                                                                              |
| <b>Traffic-class</b>        | multimedia-conferencing. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                               |
| <b>Underlying Protocols</b> | vnc                                                                                                                                                                                                                                                              |





# APPLE-SERVICES

|                             |                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | apple-services                                                                                           |
| <b>Full Name</b>            | Apple services                                                                                           |
| <b>Description</b>          | apple-services is a set of tools and APIs used by Apple applications such as AppStore and apple website. |
| <b>Reference</b>            | <a href="http://www.apple.com">http://www.apple.com</a>                                                  |
| <b>Global ID</b>            | L7:577                                                                                                   |
| <b>ID</b>                   | 1516                                                                                                     |
| <b>Known Mappings</b>       |                                                                                                          |
| UDP Port                    | -                                                                                                        |
| TCP Port                    | 80,443                                                                                                   |
| IP Protocol                 | -                                                                                                        |
| <b>IP Version</b>           |                                                                                                          |
| IPv4 Support                | No                                                                                                       |
| IPv6 Support                | No                                                                                                       |
| <b>Application Group</b>    | -                                                                                                        |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                      |
| <b>Category</b>             | -                                                                                                        |
| <b>Sub Category</b>         | -                                                                                                        |
| <b>P2P Technology</b>       | No                                                                                                       |
| <b>Encrypted</b>            | No                                                                                                       |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                |
| <b>Tunnel</b>               | No                                                                                                       |
| <b>Underlying Protocols</b> | ssl,spdy,http                                                                                            |

# APPLEQTC

|                             |                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | appleqtc                                                                                                                                                                                                                                                                                                        |
| <b>Full Name</b>            | Apple QuickTime                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>          | Apple QuickTime is an extensible proprietary multimedia framework developed by Apple Inc., capable of handling various formats of digital video, picture, sound, panoramic images, and interactivity. QuickTime is available for Windows XP and later, as well as Mac OS X Leopard and later operating systems. |
| <b>Reference</b>            | <a href="http://www.apple.com/quicktime/">http://www.apple.com/quicktime/</a>                                                                                                                                                                                                                                   |
| <b>Global ID</b>            | L4:458                                                                                                                                                                                                                                                                                                          |
| <b>ID</b>                   | 92                                                                                                                                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                 |
| UDP Port                    | 458                                                                                                                                                                                                                                                                                                             |
| TCP Port                    | 458                                                                                                                                                                                                                                                                                                             |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                               |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                 |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                             |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                             |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                           |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                             |
| <b>Category</b>             | voice-and-video                                                                                                                                                                                                                                                                                                 |
| <b>Sub Category</b>         | streaming                                                                                                                                                                                                                                                                                                       |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                              |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                              |
| <b>Traffic-class</b>        | multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                            |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                              |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                               |



# APPLEQTCSRVR

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | appleqtcsrvr                                                                                                                                                                                      |
| <b>Full Name</b>            | appleqtcsrvr                                                                                                                                                                                      |
| <b>Description</b>          | Registered with IANA on port 545 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:545                                                                                                                                                                                            |
| <b>ID</b>                   | 463                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 545                                                                                                                                                                                               |
| TCP Port                    | 545                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                               |
| <b>Category</b>             | voice-and-video                                                                                                                                                                                   |
| <b>Sub Category</b>         | streaming                                                                                                                                                                                         |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                              |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# APPLIX

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | applix                                                                                                                                                                                            |
| <b>Full Name</b>            | Applix ac                                                                                                                                                                                         |
| <b>Description</b>          | Registered with IANA on port 999 UDP                                                                                                                                                              |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L7:264                                                                                                                                                                                            |
| <b>ID</b>                   | 680                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 999                                                                                                                                                                                               |
| TCP Port                    | 999                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ARCISDMS

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | arcisdms                                                                                                                                                                                          |
| <b>Full Name</b>            | Arcisdms                                                                                                                                                                                          |
| <b>Description</b>          | Registered with IANA on port 262 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:262                                                                                                                                                                                            |
| <b>ID</b>                   | 1134                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 262                                                                                                                                                                                               |
| TCP Port                    | 262                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ARES

|                             |                                                                                                                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ares                                                                                                                                                                                                                                                                        |
| <b>Full Name</b>            | Ares                                                                                                                                                                                                                                                                        |
| <b>Description</b>          | Ares is a P2P network which was originally operating on the Gnutella network. After that, it switched to its own network with a leaves-and-super nodes architecture. Ares Galaxy, which is an open source P2P software, is the main client which makes use of Ares network. |
| <b>Reference</b>            | <a href="http://aresgalaxy.sourceforge.net/">http://aresgalaxy.sourceforge.net/</a>                                                                                                                                                                                         |
| <b>Global ID</b>            | L7:565                                                                                                                                                                                                                                                                      |
| <b>ID</b>                   | 1502                                                                                                                                                                                                                                                                        |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                             |
| UDP Port                    | -                                                                                                                                                                                                                                                                           |
| TCP Port                    | 1080,80                                                                                                                                                                                                                                                                     |
| IP Protocol                 | -                                                                                                                                                                                                                                                                           |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                             |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                         |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                         |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                       |
| <b>Business Relevance</b>   | business-irrelevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                         |
| <b>Category</b>             | file-sharing                                                                                                                                                                                                                                                                |
| <b>Sub Category</b>         | p2p-networking                                                                                                                                                                                                                                                              |
| <b>P2P Technology</b>       | Yes                                                                                                                                                                                                                                                                         |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                          |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                   |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                          |
| <b>Underlying Protocols</b> | socks,http                                                                                                                                                                                                                                                                  |





# ARGUS

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | argus                                                                                                                                                     |
| <b>Full Name</b>            | Argus                                                                                                                                                     |
| <b>Description</b>          | Registered with IANA as IP Protocol 13                                                                                                                    |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml">http://www.iana.org/assignments/protocol-numbers/protocol-numbers.xml</a> |
| <b>Global ID</b>            | L3:13                                                                                                                                                     |
| <b>ID</b>                   | 768                                                                                                                                                       |
| <b>Known Mappings</b>       |                                                                                                                                                           |
| UDP Port                    | -                                                                                                                                                         |
| TCP Port                    | -                                                                                                                                                         |
| IP Protocol                 | 13                                                                                                                                                        |
| <b>IP Version</b>           |                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                       |
| <b>Application Group</b>    | other                                                                                                                                                     |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                   |
| <b>Category</b>             | layer3-over-ip                                                                                                                                            |
| <b>Sub Category</b>         | other                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                        |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                 |
| <b>Tunnel</b>               | No                                                                                                                                                        |
| <b>Underlying Protocols</b> | -                                                                                                                                                         |

# ARIEL1

|                             |                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ariel1                                                                                                                                                     |
| <b>Full Name</b>            | Ariel1                                                                                                                                                     |
| <b>Description</b>          | Ariel is a client/server application developed to facilitate transfer of documents between libraries that are located in different geographical locations. |
| <b>Reference</b>            | <a href="http://www.infotrieve.com/sites/default/files/ariel-userguide-4-1.pdf">http://www.infotrieve.com/sites/default/files/ariel-userguide-4-1.pdf</a>  |
| <b>Global ID</b>            | L4:419                                                                                                                                                     |
| <b>ID</b>                   | 334                                                                                                                                                        |
| <b>Known Mappings</b>       |                                                                                                                                                            |
| UDP Port                    | 419                                                                                                                                                        |
| TCP Port                    | 419                                                                                                                                                        |
| IP Protocol                 | -                                                                                                                                                          |
| <b>IP Version</b>           |                                                                                                                                                            |
| IPv4 Support                | Yes                                                                                                                                                        |
| IPv6 Support                | Yes                                                                                                                                                        |
| <b>Application Group</b>    | other                                                                                                                                                      |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                    |
| <b>Category</b>             | other                                                                                                                                                      |
| <b>Sub Category</b>         | other                                                                                                                                                      |
| <b>P2P Technology</b>       | No                                                                                                                                                         |
| <b>Encrypted</b>            | No                                                                                                                                                         |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                  |
| <b>Tunnel</b>               | No                                                                                                                                                         |
| <b>Underlying Protocols</b> | -                                                                                                                                                          |

# ARIEL2

|                             |                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ariel2                                                                                                                                                                                       |
| <b>Full Name</b>            | Ariel2                                                                                                                                                                                       |
| <b>Description</b>          | Ariel allows users to send high-detail electronic images to other Ariel workstations anywhere in the world, using either FTP or email, converting the images to PDF files for easy delivery. |
| <b>Reference</b>            | <a href="http://www.infotrieve.com/ariel-interlibrary-loan-software">http://www.infotrieve.com/ariel-interlibrary-loan-software</a>                                                          |
| <b>Global ID</b>            | L4:421                                                                                                                                                                                       |
| <b>ID</b>                   | 336                                                                                                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                                                                                                              |
| UDP Port                    | 421                                                                                                                                                                                          |
| TCP Port                    | 421                                                                                                                                                                                          |
| IP Protocol                 | -                                                                                                                                                                                            |
| <b>IP Version</b>           |                                                                                                                                                                                              |
| IPv4 Support                | Yes                                                                                                                                                                                          |
| IPv6 Support                | Yes                                                                                                                                                                                          |
| <b>Application Group</b>    | other                                                                                                                                                                                        |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                      |
| <b>Category</b>             | other                                                                                                                                                                                        |
| <b>Sub Category</b>         | other                                                                                                                                                                                        |
| <b>P2P Technology</b>       | No                                                                                                                                                                                           |
| <b>Encrypted</b>            | No                                                                                                                                                                                           |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                           |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                            |

# ARIEL3

|                             |                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ariel3                                                                                                                                                                                       |
| <b>Full Name</b>            | Ariel3                                                                                                                                                                                       |
| <b>Description</b>          | Ariel allows users to send high-detail electronic images to other Ariel workstations anywhere in the world, using either FTP or email, converting the images to PDF files for easy delivery. |
| <b>Reference</b>            | <a href="http://www.infotrieve.com/ariel-interlibrary-loan-software">http://www.infotrieve.com/ariel-interlibrary-loan-software</a>                                                          |
| <b>Global ID</b>            | L4:422                                                                                                                                                                                       |
| <b>ID</b>                   | 337                                                                                                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                                                                                                              |
| UDP Port                    | 422                                                                                                                                                                                          |
| TCP Port                    | 422                                                                                                                                                                                          |
| IP Protocol                 | -                                                                                                                                                                                            |
| <b>IP Version</b>           |                                                                                                                                                                                              |
| IPv4 Support                | Yes                                                                                                                                                                                          |
| IPv6 Support                | Yes                                                                                                                                                                                          |
| <b>Application Group</b>    | other                                                                                                                                                                                        |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                      |
| <b>Category</b>             | other                                                                                                                                                                                        |
| <b>Sub Category</b>         | other                                                                                                                                                                                        |
| <b>P2P Technology</b>       | No                                                                                                                                                                                           |
| <b>Encrypted</b>            | No                                                                                                                                                                                           |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                           |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                            |

# ARIS

|                             |                                                                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aris                                                                                                                                                                |
| <b>Full Name</b>            | Aggregate Route-Based IP Switching                                                                                                                                  |
| <b>Description</b>          | Aggregate Route-Based IP Switching (ARIS) establishes switched paths through a network, leveraging the advantages of switching technologies in an internet network. |
| <b>Reference</b>            | <a href="http://tools.ietf.org/html/draft-viswanathan-aris-overview-00">http://tools.ietf.org/html/draft-viswanathan-aris-overview-00</a>                           |
| <b>Global ID</b>            | L3:104                                                                                                                                                              |
| <b>ID</b>                   | 858                                                                                                                                                                 |
| <b>Known Mappings</b>       |                                                                                                                                                                     |
| UDP Port                    | -                                                                                                                                                                   |
| TCP Port                    | -                                                                                                                                                                   |
| IP Protocol                 | 104                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                     |
| IPv4 Support                | Yes                                                                                                                                                                 |
| IPv6 Support                | Yes                                                                                                                                                                 |
| <b>Application Group</b>    | other                                                                                                                                                               |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                             |
| <b>Category</b>             | layer3-over-ip                                                                                                                                                      |
| <b>Sub Category</b>         | other                                                                                                                                                               |
| <b>P2P Technology</b>       | No                                                                                                                                                                  |
| <b>Encrypted</b>            | No                                                                                                                                                                  |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                           |
| <b>Tunnel</b>               | No                                                                                                                                                                  |
| <b>Underlying Protocols</b> | -                                                                                                                                                                   |

# ARNS

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | arns                                                                                                                                                                                              |
| <b>Full Name</b>            | Adaptive Receive Node Scheduling                                                                                                                                                                  |
| <b>Description</b>          | Registered with IANA on port 384 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:384                                                                                                                                                                                            |
| <b>ID</b>                   | 300                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 384                                                                                                                                                                                               |
| TCP Port                    | 384                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ARUBA-PAPI

|                             |                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aruba-papi                                                                                                                                        |
| <b>Full Name</b>            | Process Application Programming Interface                                                                                                         |
| <b>Description</b>          | Process Application Programming Interface (PAPI) is used by Aruba Networks in their network management tools to control and manage access points. |
| <b>Reference</b>            | <a href="http://papi.rediris.es/">http://papi.rediris.es/</a>                                                                                     |
| <b>Global ID</b>            | L4:8211                                                                                                                                           |
| <b>ID</b>                   | 1328                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                   |
| UDP Port                    | 8211                                                                                                                                              |
| TCP Port                    |                                                                                                                                                   |
| IP Protocol                 | -                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                             |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                 |
| <b>Category</b>             | net-admin                                                                                                                                         |
| <b>Sub Category</b>         | network-management                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                 |



# ASA

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | asa                                                                                                                                                                                               |
| <b>Full Name</b>            | ASA Message Router Object Def.                                                                                                                                                                    |
| <b>Description</b>          | Registered with IANA on port 386 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:386                                                                                                                                                                                            |
| <b>ID</b>                   | 302                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 386                                                                                                                                                                                               |
| TCP Port                    | 386                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ASA-APPL-PROTO

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | asa-appl-proto                                                                                                                                                                                    |
| <b>Full Name</b>            | asa-appl-proto                                                                                                                                                                                    |
| <b>Description</b>          | Registered with IANA on port 502 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:502                                                                                                                                                                                            |
| <b>ID</b>                   | 416                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 502                                                                                                                                                                                               |
| TCP Port                    | 502                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | industrial-protocols                                                                                                                                                                              |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ASIPREGISTRY

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | asipregistry                                                                                                                                                                                      |
| <b>Full Name</b>            | Asipregistry                                                                                                                                                                                      |
| <b>Description</b>          | Registered with IANA on port 687 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:687                                                                                                                                                                                            |
| <b>ID</b>                   | 595                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 687                                                                                                                                                                                               |
| TCP Port                    | 687                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                 |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# ASIP-WEBADMIN

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>   | asip-webadmin                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Full Name</b>          | AppleShare IP WebAdmin                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>        | AppleShare is a product from Apple which implemented various network services such as file server, a print server, web server, electronic mail server. AppleShare IP is a version of AppleShare that supports the use of TCP/IP protocol stack. AppleShare IP WebAdmin is the remote administration service of AppleShare IP where an administrator can perform administrative operations using a web browser. |
| <b>Reference</b>          | <a href="http://support.apple.com/kb/TA26109?viewlocale=en_US">http://support.apple.com/kb/TA26109?viewlocale=en_US</a>                                                                                                                                                                                                                                                                                        |
| <b>Global ID</b>          | L4:311                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ID</b>                 | 1151                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Known Mappings</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                |
| UDP Port                  | 311                                                                                                                                                                                                                                                                                                                                                                                                            |
| TCP Port                  | 311                                                                                                                                                                                                                                                                                                                                                                                                            |
| IP Protocol               | -                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>IP Version</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                |
| IPv4 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                            |
| IPv6 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Application Group</b>  | other                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Business Relevance</b> | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                              |
| <b>Category</b>           | net-admin                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sub Category</b>       | network-management                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>P2P Technology</b>     | No                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Encrypted</b>          | No                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Traffic-class</b>      | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tunnel</b>             | No                                                                                                                                                                                                                                                                                                                                                                                                             |

|                             |   |
|-----------------------------|---|
| <b>Underlying Protocols</b> | - |
|-----------------------------|---|

# AS-SERVERMAP

|                             |                                                                                                                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | as-servermap                                                                                                                                                                                                  |
| <b>Full Name</b>            | AS Server Mapper                                                                                                                                                                                              |
| <b>Description</b>          | The server mapper daemon is a batch job that runs in some IBM subsystems. It provides a method for client applications to determine the port number associated with a particular server.                      |
| <b>Reference</b>            | <a href="http://publib.boulder.ibm.com/infocenter/series/v5r4/index.jsp?topic=%2Frzaii%2Frzaiidaemon.htm">http://publib.boulder.ibm.com/infocenter/series/v5r4/index.jsp?topic=%2Frzaii%2Frzaiidaemon.htm</a> |
| <b>Global ID</b>            | L4:449                                                                                                                                                                                                        |
| <b>ID</b>                   | 364                                                                                                                                                                                                           |
| <b>Known Mappings</b>       |                                                                                                                                                                                                               |
| UDP Port                    | 449                                                                                                                                                                                                           |
| TCP Port                    | 449                                                                                                                                                                                                           |
| IP Protocol                 | -                                                                                                                                                                                                             |
| <b>IP Version</b>           |                                                                                                                                                                                                               |
| IPv4 Support                | Yes                                                                                                                                                                                                           |
| IPv6 Support                | Yes                                                                                                                                                                                                           |
| <b>Application Group</b>    | other                                                                                                                                                                                                         |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                       |
| <b>Category</b>             | other                                                                                                                                                                                                         |
| <b>Sub Category</b>         | other                                                                                                                                                                                                         |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                            |
| <b>Encrypted</b>            | No                                                                                                                                                                                                            |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                     |
| <b>Tunnel</b>               | No                                                                                                                                                                                                            |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                             |



## AT-3

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-3                                                                                                                                                                                              |
| <b>Full Name</b>            | AppleTalk Unused                                                                                                                                                                                  |
| <b>Description</b>          | Registered with IANA on port 203 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:203                                                                                                                                                                                            |
| <b>ID</b>                   | 1101                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 203                                                                                                                                                                                               |
| TCP Port                    | 203                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                  |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                  |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |



## AT-5

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-5                                                                                                                                                                                              |
| <b>Full Name</b>            | AppleTalk Unused                                                                                                                                                                                  |
| <b>Description</b>          | Registered with IANA on port 205 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:205                                                                                                                                                                                            |
| <b>ID</b>                   | 1103                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 205                                                                                                                                                                                               |
| TCP Port                    | 205                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                  |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                  |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AT-7

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-7                                                                                                                                                                                              |
| <b>Full Name</b>            | AppleTalk Unused                                                                                                                                                                                  |
| <b>Description</b>          | Registered with IANA on port 207 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:207                                                                                                                                                                                            |
| <b>ID</b>                   | 1105                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 207                                                                                                                                                                                               |
| TCP Port                    | 207                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                  |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                  |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AT-8

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-8                                                                                                                                                                                              |
| <b>Full Name</b>            | AppleTalk Unused                                                                                                                                                                                  |
| <b>Description</b>          | Registered with IANA on port 208 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:208                                                                                                                                                                                            |
| <b>ID</b>                   | 1106                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 208                                                                                                                                                                                               |
| TCP Port                    | 208                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                  |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                  |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AT-ECHO

|                             |                                                                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-echo                                                                                                                                                                                                                                |
| <b>Full Name</b>            | AppleTalk Echo                                                                                                                                                                                                                         |
| <b>Description</b>          | AppleTalk Echo Protocol (AEP) is a transport layer protocol designed to test the reachability of network nodes. AEP generates packets to be sent to the network node and is identified in the Type field of a packet as an AEP packet. |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/AppleTalk#AppleTalk_Echo_Protocol">http://en.wikipedia.org/wiki/AppleTalk#AppleTalk_Echo_Protocol</a>                                                                                            |
| <b>Global ID</b>            | L4:204                                                                                                                                                                                                                                 |
| <b>ID</b>                   | 1102                                                                                                                                                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                        |
| UDP Port                    | 204                                                                                                                                                                                                                                    |
| TCP Port                    | 204                                                                                                                                                                                                                                    |
| IP Protocol                 | -                                                                                                                                                                                                                                      |
| <b>IP Version</b>           |                                                                                                                                                                                                                                        |
| IPv4 Support                | Yes                                                                                                                                                                                                                                    |
| IPv6 Support                | Yes                                                                                                                                                                                                                                    |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                                                       |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                      |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                              |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                                                       |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                     |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                     |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                     |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                      |

# AT-NBP

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-nbp                                                                                                                                                                                                   |
| <b>Full Name</b>            | AppleTalk Name Binding                                                                                                                                                                                   |
| <b>Description</b>          | AppleTalk Name Binding (NBP) was a dynamic, distributed system for managing AppleTalk names. When a service started up on a machine, it registered a name for itself as chosen by a human administrator. |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/AppleTalk#Name_Binding_Protocol">http://en.wikipedia.org/wiki/AppleTalk#Name_Binding_Protocol</a>                                                                  |
| <b>Global ID</b>            | L4:202                                                                                                                                                                                                   |
| <b>ID</b>                   | 1100                                                                                                                                                                                                     |
| <b>Known Mappings</b>       |                                                                                                                                                                                                          |
| UDP Port                    | 202                                                                                                                                                                                                      |
| TCP Port                    | 202                                                                                                                                                                                                      |
| IP Protocol                 | -                                                                                                                                                                                                        |
| <b>IP Version</b>           |                                                                                                                                                                                                          |
| IPv4 Support                | Yes                                                                                                                                                                                                      |
| IPv6 Support                | Yes                                                                                                                                                                                                      |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                         |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                        |
| <b>Category</b>             | net-admin                                                                                                                                                                                                |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                         |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                       |
| <b>Encrypted</b>            | No                                                                                                                                                                                                       |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                       |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                        |

# AT-RTMP

|                             |                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-rtmp                                                                                                                                                           |
| <b>Full Name</b>            | AppleTalk Routing Maintenance                                                                                                                                     |
| <b>Description</b>          | The AppleTalk Routing Table Maintenance Protocol (RTMP) was the protocol by which routers kept each other informed about the topology of the network.             |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/AppleTalk#Routing_Table_Maintenance_Protocol">http://en.wikipedia.org/wiki/AppleTalk#Routing_Table_Maintenance_Protocol</a> |
| <b>Global ID</b>            | L4:201                                                                                                                                                            |
| <b>ID</b>                   | 1099                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                   |
| UDP Port                    | 201                                                                                                                                                               |
| TCP Port                    | 201                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                               |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                  |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                 |
| <b>Category</b>             | net-admin                                                                                                                                                         |
| <b>Sub Category</b>         | routing-protocol                                                                                                                                                  |
| <b>P2P Technology</b>       | No                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                |
| <b>Traffic-class</b>        | network-control. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                   |
| <b>Tunnel</b>               | No                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                 |

# AT-ZIS

|                             |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | at-zis                                                                                                                                                                                                                                                                                                                                                             |
| <b>Full Name</b>            | AppleTalk Zone Information Protocol                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>          | The Zone Information Protocol was the protocol by which AppleTalk network numbers were associated with zone names. Azone was a subdivision of the network that made sense to humans. While a network number had to be assigned to a topologically-contiguous section of the network, a zone could include several different discontinuous portions of the network. |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/AppleTalk#Zone_Information_Protocol">http://en.wikipedia.org/wiki/AppleTalk#Zone_Information_Protocol</a>                                                                                                                                                                                                                    |
| <b>Global ID</b>            | L4:206                                                                                                                                                                                                                                                                                                                                                             |
| <b>ID</b>                   | 1104                                                                                                                                                                                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                                    |
| UDP Port                    | 206                                                                                                                                                                                                                                                                                                                                                                |
| TCP Port                    | 206                                                                                                                                                                                                                                                                                                                                                                |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                                                  |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                                                    |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                |
| <b>Application Group</b>    | apple-talk-group                                                                                                                                                                                                                                                                                                                                                   |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                  |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sub Category</b>         | network-protocol                                                                                                                                                                                                                                                                                                                                                   |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                     |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                                                  |





# AUDIO-OVER-HTTP

|                             |                                                                                                                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | audio-over-http                                                                                                                                                                                                                       |
| <b>Full Name</b>            | Audio Over HTTP                                                                                                                                                                                                                       |
| <b>Description</b>          | Audio over HTTP represents a classification of transferring Audio data (such as radio and audio) streaming over the HTTP protocol. If a flow is classified as a more specific protocol, it will not be classified by audio-over-http. |
| <b>Reference</b>            |                                                                                                                                                                                                                                       |
| <b>Global ID</b>            | L7:430                                                                                                                                                                                                                                |
| <b>ID</b>                   | 120                                                                                                                                                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                       |
| UDP Port                    | -                                                                                                                                                                                                                                     |
| TCP Port                    | -                                                                                                                                                                                                                                     |
| IP Protocol                 | -                                                                                                                                                                                                                                     |
| <b>IP Version</b>           |                                                                                                                                                                                                                                       |
| IPv4 Support                | Yes                                                                                                                                                                                                                                   |
| IPv6 Support                | Yes                                                                                                                                                                                                                                   |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                 |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                               |
| <b>Category</b>             | voice-and-video                                                                                                                                                                                                                       |
| <b>Sub Category</b>         | streaming                                                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                    |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                    |
| <b>Traffic-class</b>        | multimedia-streaming. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                  |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                    |
| <b>Underlying Protocols</b> | http                                                                                                                                                                                                                                  |

# AUDIT

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | audit                                                                                                                                                                                             |
| <b>Full Name</b>            | Unisys Audit SITP                                                                                                                                                                                 |
| <b>Description</b>          | Registered with IANA on port 182 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:182                                                                                                                                                                                            |
| <b>ID</b>                   | 1025                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 182                                                                                                                                                                                               |
| TCP Port                    | 182                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AUDITD

|                           |                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>   | auditd                                                                                                                                                                                                                                        |
| <b>Full Name</b>          | Digital Audit daemon                                                                                                                                                                                                                          |
| <b>Description</b>        | The audit daemon, auditd, operates as a server, monitoring /dev/audit for local audit data, monitoring a known port for data from remote cooperating audit daemons, and monitoring an AF_UNIX socket for input from the system administrator. |
| <b>Reference</b>          | <a href="http://h30097.www3.hp.com/docs/base_doc/DOCUMENTATION/V51_HTML/MAN/MAN8/0030____.HTM">http://h30097.www3.hp.com/docs/base_doc/DOCUMENTATION/V51_HTML/MAN/MAN8/0030____.HTM</a>                                                       |
| <b>Global ID</b>          | L4:48                                                                                                                                                                                                                                         |
| <b>ID</b>                 | 928                                                                                                                                                                                                                                           |
| <b>Known Mappings</b>     |                                                                                                                                                                                                                                               |
| UDP Port                  | 48                                                                                                                                                                                                                                            |
| TCP Port                  | 48                                                                                                                                                                                                                                            |
| IP Protocol               | -                                                                                                                                                                                                                                             |
| <b>IP Version</b>         |                                                                                                                                                                                                                                               |
| IPv4 Support              | Yes                                                                                                                                                                                                                                           |
| IPv6 Support              | Yes                                                                                                                                                                                                                                           |
| <b>Application Group</b>  | other                                                                                                                                                                                                                                         |
| <b>Business Relevance</b> | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                             |
| <b>Category</b>           | net-admin                                                                                                                                                                                                                                     |
| <b>Sub Category</b>       | network-management                                                                                                                                                                                                                            |
| <b>P2P Technology</b>     | No                                                                                                                                                                                                                                            |
| <b>Encrypted</b>          | No                                                                                                                                                                                                                                            |
| <b>Traffic-class</b>      | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                |
| <b>Tunnel</b>             | No                                                                                                                                                                                                                                            |

|                      |   |
|----------------------|---|
| Underlying Protocols | - |
|----------------------|---|

# AURORA-CMGR

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aurora-cmgr                                                                                                                                                                                       |
| <b>Full Name</b>            | Aurora CMGR                                                                                                                                                                                       |
| <b>Description</b>          | Registered with IANA on port 364 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:364                                                                                                                                                                                            |
| <b>ID</b>                   | 280                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 364                                                                                                                                                                                               |
| TCP Port                    | 364                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AURP

|                             |                                                                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | aurp                                                                                                                                                                          |
| <b>Full Name</b>            | AppleTalk Update-based Routing Protocol                                                                                                                                       |
| <b>Description</b>          | The AppleTalk Update-based Routing Protocol (AURP) provides wide area routing enhancements to the AppleTalk routing protocols and is fully compatible with AppleTalk Phase 2. |
| <b>Reference</b>            | <a href="http://tools.ietf.org/html/rfc1504">http://tools.ietf.org/html/rfc1504</a>                                                                                           |
| <b>Global ID</b>            | L4:387                                                                                                                                                                        |
| <b>ID</b>                   | 303                                                                                                                                                                           |
| <b>Known Mappings</b>       |                                                                                                                                                                               |
| UDP Port                    | 387                                                                                                                                                                           |
| TCP Port                    | 387                                                                                                                                                                           |
| IP Protocol                 | -                                                                                                                                                                             |
| <b>IP Version</b>           |                                                                                                                                                                               |
| IPv4 Support                | Yes                                                                                                                                                                           |
| IPv6 Support                | Yes                                                                                                                                                                           |
| <b>Application Group</b>    | other                                                                                                                                                                         |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                             |
| <b>Category</b>             | net-admin                                                                                                                                                                     |
| <b>Sub Category</b>         | routing-protocol                                                                                                                                                              |
| <b>P2P Technology</b>       | No                                                                                                                                                                            |
| <b>Encrypted</b>            | No                                                                                                                                                                            |
| <b>Traffic-class</b>        | network-control. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                               |
| <b>Tunnel</b>               | Yes                                                                                                                                                                           |
| <b>Underlying Protocols</b> | -                                                                                                                                                                             |

# AUTH

|                             |                                                                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | auth                                                                                                                                                                                                                                                                                                    |
| <b>Full Name</b>            | Authentication Service                                                                                                                                                                                                                                                                                  |
| <b>Description</b>          | The Identification Protocol (formerly called the Authentication Server Protocol) provides a means to determine the identity of a user of a particular TCP connection. Given a TCP port number pair, it returns a character string which identifies the owner of that connection on the server's system. |
| <b>Reference</b>            | <a href="http://www.ietf.org/rfc/rfc1413.txt">http://www.ietf.org/rfc/rfc1413.txt</a>                                                                                                                                                                                                                   |
| <b>Global ID</b>            | L4:113                                                                                                                                                                                                                                                                                                  |
| <b>ID</b>                   | 983                                                                                                                                                                                                                                                                                                     |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                         |
| UDP Port                    | 113                                                                                                                                                                                                                                                                                                     |
| TCP Port                    | 113                                                                                                                                                                                                                                                                                                     |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                       |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                         |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                     |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                     |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                   |
| <b>Business Relevance</b>   | business-relevant. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                       |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                                                               |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                                                                                                                      |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                      |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                      |
| <b>Traffic-class</b>        | ops-admin-mgmt. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                      |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                       |





# AVIAN

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | avian                                                                                                                                                                                             |
| <b>Full Name</b>            | Avian                                                                                                                                                                                             |
| <b>Description</b>          | Registered with IANA on port 486 TCP/UDP                                                                                                                                                          |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:486                                                                                                                                                                                            |
| <b>ID</b>                   | 400                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 486                                                                                                                                                                                               |
| TCP Port                    | 486                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AVOCENT

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | avocent                                                                                                                                                                                           |
| <b>Full Name</b>            | Secure management and installation discovery                                                                                                                                                      |
| <b>Description</b>          | Registered with IANA on ports 3211,3502,3871 TCP/UDP                                                                                                                                              |
| <b>Reference</b>            | <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml">http://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.xml</a> |
| <b>Global ID</b>            | L4:3211                                                                                                                                                                                           |
| <b>ID</b>                   | 1376                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 3211,3502,3871                                                                                                                                                                                    |
| TCP Port                    | 3211,3502,3871                                                                                                                                                                                    |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                           |
| <b>Category</b>             | other                                                                                                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

# AX25

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>   | ax25                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Full Name</b>          | AX.25 Frames                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>        | AX.25 is a data link layer protocol derived from the X.25 protocol suite and designed for use by amateur radio operators. It is used extensively on amateur packet radio networks. It occupies the first, second, and often the third layers of the OSI networking model, and is responsible for transferring data (encapsulated in packets) between nodes and detecting errors introduced by the communications channel. |
| <b>Reference</b>          | <a href="http://en.wikipedia.org/wiki/AX.25">http://en.wikipedia.org/wiki/AX.25</a>                                                                                                                                                                                                                                                                                                                                       |
| <b>Global ID</b>          | L3:93                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ID</b>                 | 847                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Known Mappings</b>     |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| UDP Port                  | -                                                                                                                                                                                                                                                                                                                                                                                                                         |
| TCP Port                  | -                                                                                                                                                                                                                                                                                                                                                                                                                         |
| IP Protocol               | 93                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>IP Version</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| IPv4 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IPv6 Support              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application Group</b>  | other                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Business Relevance</b> | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Category</b>           | layer3-over-ip                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Sub Category</b>       | other                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>P2P Technology</b>     | No                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Encrypted</b>          | No                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Traffic-class</b>      | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tunnel</b>             | No                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                      |   |
|----------------------|---|
| Underlying Protocols | - |
|----------------------|---|

# AYIYA-IPV6-TUNNELED

|                             |                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | ayiya-ipv6-tunneled                                                                                                                                                        |
| <b>Full Name</b>            | Ayiya IPv6 Tunneled                                                                                                                                                        |
| <b>Description</b>          | Anything In Anything (AYIYA) is a tunneling protocol that connects islands of IP traffic. The protocol in NBAR supports only IPV6 tunneled over IPV4 (not IPV6 over IPV6). |
| <b>Reference</b>            | <a href="http://www.sixxs.net/tools/ayiya/">http://www.sixxs.net/tools/ayiya/</a>                                                                                          |
| <b>Global ID</b>            | L7:327                                                                                                                                                                     |
| <b>ID</b>                   | 1220                                                                                                                                                                       |
| <b>Known Mappings</b>       |                                                                                                                                                                            |
| UDP Port                    | 5072                                                                                                                                                                       |
| TCP Port                    | 5072                                                                                                                                                                       |
| IP Protocol                 | -                                                                                                                                                                          |
| <b>IP Version</b>           |                                                                                                                                                                            |
| IPv4 Support                | Yes                                                                                                                                                                        |
| IPv6 Support                | Yes                                                                                                                                                                        |
| <b>Application Group</b>    | other                                                                                                                                                                      |
| <b>Business Relevance</b>   | default. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                    |
| <b>Category</b>             | net-admin                                                                                                                                                                  |
| <b>Sub Category</b>         | network-management                                                                                                                                                         |
| <b>P2P Technology</b>       | No                                                                                                                                                                         |
| <b>Encrypted</b>            | No                                                                                                                                                                         |
| <b>Traffic-class</b>        | bulk-data. From Cisco IOS XE 3.16S and IOS 15.5(3)M only.                                                                                                                  |
| <b>Tunnel</b>               | Yes                                                                                                                                                                        |
| <b>Underlying Protocols</b> | -                                                                                                                                                                          |

