



# WAP-PUSH through ZSERV

---

**Last Updated: February 16, 2013**

- [WAP-PUSH, page 2](#)
- [WAP-PUSH-HTTP, page 3](#)
- [WAP-PUSH-HTTPS, page 4](#)
- [WAP-PUSHSECURE, page 5](#)
- [WAP-VCAL, page 6](#)
- [WAP-VCAL-S, page 6](#)
- [WAP-VCARD, page 7](#)
- [WAP-VCARD-S, page 8](#)
- [WAP-WSP, page 9](#)
- [WAP-WSP-S, page 10](#)
- [WAP-WSP-WTP, page 10](#)
- [WAP-WSP-WTP-S, page 11](#)
- [WAR-ROCK, page 12](#)
- [WASTE, page 13](#)
- [WB-EXPAK, page 14](#)
- [WB-MON, page 15](#)
- [WCCP, page 15](#)
- [WEBEX-MEETING, page 16](#)
- [WEBSense, page 17](#)
- [WEBSTER, page 18](#)
- [WEBTHUNDER, page 19](#)
- [WHOAMI, page 20](#)
- [WHOIS++, page 20](#)
- [WINDOWS-AZURE, page 21](#)
- [WINDOWS-UPDATE, page 22](#)
- [WINMX, page 23](#)
- [WINNY, page 24](#)
- [WLCCP, page 25](#)
- [WORLD FUSION, page 25](#)
- [WPGS, page 26](#)
- [WSN, page 27](#)



---

**Americas Headquarters:**  
**Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA**

- [XACT-BACKUP](#), page 28
- [X-BONE-CTL](#), page 29
- [XDMCP](#), page 29
- [XDTP](#), page 30
- [XFER](#), page 31
- [XFIRE](#), page 32
- [XMPP-CLIENT](#), page 33
- [XNET](#), page 34
- [XNS-AUTH](#), page 34
- [XNS-CH](#), page 35
- [XNS-COURIER](#), page 36
- [XNS-IDP](#), page 37
- [XNS-MAIL](#), page 38
- [XNS-TIME](#), page 39
- [XTP](#), page 39
- [XUNLEI](#), page 40
- [XVTTP](#), page 41
- [XWINDOWS](#), page 42
- [XYPLEX-MUX](#), page 43
- [YAHOO-ACCOUNTS](#), page 44
- [YAHOO-MAIL](#), page 44
- [YAHOO-MESSENGER](#), page 45
- [YAHOO-VOIP-MESSENGER](#), page 46
- [YAHOO-VOIP-OVER-SIP](#), page 47
- [YOUTUBE](#), page 48
- [Z39.50](#), page 49
- [ZANNET](#), page 49
- [ZATTOO](#), page 50
- [ZSERV](#), page 51

## WAP-PUSH

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | wap-push                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Full Name</b>        | WAP PUSH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | A WAP Push is a specially encoded message which includes a link to a Wireless Application Protocol (WAP) address. WAP Push was specified on top of WAP Datagram Protocol (WDP). As such, it can be delivered over any WDP-supported bearer, such as GPRS or SMS. WAP Push is an ideal technology for reaching users of legacy devices that have limited message content, formatting and viewing capabilities. This technology can deliver WAP Push messages to the user which in turn may be viewed by them in their device browser. |
| <b>Reference</b>        | <a href="http://en.wikipedia.org/wiki/Wireless_Application_Protocol">http://en.wikipedia.org/wiki/Wireless_Application_Protocol</a>                                                                                                                                                                                                                                                                                                                                                                                                  |

|                             |           |
|-----------------------------|-----------|
| <b>Global ID</b>            | L4:2948   |
| <b>ID</b>                   | 725       |
| <b>Known Mappings</b>       |           |
| UDP Port                    | 2948      |
| TCP Port                    | 2948      |
| IP Protocol                 | -         |
| <b>IP Version</b>           |           |
| IPv4 Support                | Yes       |
| IPv6 Support                | Yes       |
| <b>Application Group</b>    | wap-group |
| <b>Category</b>             | browsing  |
| <b>Sub Category</b>         | other     |
| <b>P2P Technology</b>       | No        |
| <b>Encrypted</b>            | No        |
| <b>Tunnel</b>               | No        |
| <b>Underlying Protocols</b> | -         |

## WAP-PUSH-HTTP

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | wap-push-http                                                                                                                                                                           |
| <b>Full Name</b>        | WAP Push OTA-HTTP port                                                                                                                                                                  |
| <b>Description</b>      | WAP-Push OTA-HTTP is used for asynchronous communication between a PPG (Push Proxy Gateway) and a WAP client, utilizing HTTP services.                                                  |
| <b>Reference</b>        | <a href="http://www.openmobilealliance.org/tech/affiliates/wap/wap-235-pushota-20010425-a.pdf">http://www.openmobilealliance.org/tech/affiliates/wap/wap-235-pushota-20010425-a.pdf</a> |
| <b>Global ID</b>        | L4:4035                                                                                                                                                                                 |
| <b>ID</b>               | 727                                                                                                                                                                                     |
| <b>Known Mappings</b>   |                                                                                                                                                                                         |
| UDP Port                | 4035                                                                                                                                                                                    |
| TCP Port                | 4035                                                                                                                                                                                    |

|                             |           |
|-----------------------------|-----------|
| IP Protocol                 | -         |
| <b>IP Version</b>           |           |
| IPv4 Support                | Yes       |
| IPv6 Support                | Yes       |
| <b>Application Group</b>    | wap-group |
| <b>Category</b>             | browsing  |
| <b>Sub Category</b>         | other     |
| <b>P2P Technology</b>       | No        |
| <b>Encrypted</b>            | No        |
| <b>Tunnel</b>               | No        |
| <b>Underlying Protocols</b> | -         |

## WAP-PUSH-HTTPS

|                          |                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | wap-push-https                                                                                                                                                                                                          |
| <b>Full Name</b>         | WAP Push OTA-HTTP secure                                                                                                                                                                                                |
| <b>Description</b>       | The Wireless Application Protocol(WAP) is a technical standard for accessing information over a mobile wireless network. WAP Push allows WAP content to be pushed to the mobile handset with minimum user intervention. |
| <b>Reference</b>         | <a href="http://en.wikipedia.org/wiki/Wireless_Application_Protocol#WAP_Push">http://en.wikipedia.org/wiki/Wireless_Application_Protocol#WAP_Push</a>                                                                   |
| <b>Global ID</b>         | L4:4036                                                                                                                                                                                                                 |
| <b>ID</b>                | 728                                                                                                                                                                                                                     |
| <b>Known Mappings</b>    |                                                                                                                                                                                                                         |
| UDP Port                 | 4036                                                                                                                                                                                                                    |
| TCP Port                 | 4036                                                                                                                                                                                                                    |
| IP Protocol              | -                                                                                                                                                                                                                       |
| <b>IP Version</b>        |                                                                                                                                                                                                                         |
| IPv4 Support             | Yes                                                                                                                                                                                                                     |
| IPv6 Support             | Yes                                                                                                                                                                                                                     |
| <b>Application Group</b> | wap-group                                                                                                                                                                                                               |

|                             |          |
|-----------------------------|----------|
| <b>Category</b>             | browsing |
| <b>Sub Category</b>         | other    |
| <b>P2P Technology</b>       | No       |
| <b>Encrypted</b>            | No       |
| <b>Tunnel</b>               | No       |
| <b>Underlying Protocols</b> | -        |

## WAP-PUSHSECURE

|                          |                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | wap-pushsecure                                                                                                                                                                                                        |
| <b>Full Name</b>         | WAP Push Secure                                                                                                                                                                                                       |
| <b>Description</b>       | WAP Push Secure is the secured version of WAP Push. WAP Push is a protocol enabling the delivery of content to a mobile device with no prior user interaction.                                                        |
| <b>Reference</b>         | <a href="http://www.lasalle.edu/~beatty/430/wireless/toolkit/wap_push_library/pdf/WAP_Push_Tech_Overview.pdf">http://www.lasalle.edu/~beatty/430/wireless/toolkit/wap_push_library/pdf/WAP_Push_Tech_Overview.pdf</a> |
| <b>Global ID</b>         | L4:2949                                                                                                                                                                                                               |
| <b>ID</b>                | 726                                                                                                                                                                                                                   |
| <b>Known Mappings</b>    |                                                                                                                                                                                                                       |
| UDP Port                 | 2949                                                                                                                                                                                                                  |
| TCP Port                 | 2949                                                                                                                                                                                                                  |
| IP Protocol              | -                                                                                                                                                                                                                     |
| <b>IP Version</b>        |                                                                                                                                                                                                                       |
| IPv4 Support             | Yes                                                                                                                                                                                                                   |
| IPv6 Support             | Yes                                                                                                                                                                                                                   |
| <b>Application Group</b> | wap-group                                                                                                                                                                                                             |
| <b>Category</b>          | browsing                                                                                                                                                                                                              |
| <b>Sub Category</b>      | other                                                                                                                                                                                                                 |
| <b>P2P Technology</b>    | No                                                                                                                                                                                                                    |
| <b>Encrypted</b>         | No                                                                                                                                                                                                                    |
| <b>Tunnel</b>            | No                                                                                                                                                                                                                    |

Underlying Protocols -

## WAP-VCAL

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | wap-vcal                                                                                                                                                                                          |
| <b>Full Name</b>            | WAP vCal                                                                                                                                                                                          |
| <b>Description</b>          | Registered with IANA on port 9205 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>            | L4:9205                                                                                                                                                                                           |
| <b>ID</b>                   | 734                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 9205                                                                                                                                                                                              |
| TCP Port                    | 9205                                                                                                                                                                                              |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | wap-group                                                                                                                                                                                         |
| <b>Category</b>             | browsing                                                                                                                                                                                          |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

## WAP-VCAL-S

|                         |                 |
|-------------------------|-----------------|
| <b>Name/CLI Keyword</b> | wap-vcal-s      |
| <b>Full Name</b>        | WAP vCal Secure |

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Registered with IANA on port 9207 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>            | L4:9207                                                                                                                                                                                           |
| <b>ID</b>                   | 736                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 9207                                                                                                                                                                                              |
| TCP Port                    | 9207                                                                                                                                                                                              |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | wap-group                                                                                                                                                                                         |
| <b>Category</b>             | browsing                                                                                                                                                                                          |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | Yes                                                                                                                                                                                               |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

## WAP-VCARD

|                         |                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | wap-vcard                                                                                                                                       |
| <b>Full Name</b>        | WAP vCard                                                                                                                                       |
| <b>Description</b>      | Internet Mail Consortium (IMC) electronic business card.                                                                                        |
| <b>Reference</b>        | <a href="http://www.wapforum.org/what/technical/SPEC-WAESpec-19990524.pdf">http://www.wapforum.org/what/technical/SPEC-WAESpec-19990524.pdf</a> |
| <b>Global ID</b>        | L4:9204                                                                                                                                         |
| <b>ID</b>               | 733                                                                                                                                             |
| <b>Known Mappings</b>   |                                                                                                                                                 |
| UDP Port                | 9204                                                                                                                                            |

|                             |           |
|-----------------------------|-----------|
| TCP Port                    | 9204      |
| IP Protocol                 | -         |
| <b>IP Version</b>           |           |
| IPv4 Support                | Yes       |
| IPv6 Support                | Yes       |
| <b>Application Group</b>    | wap-group |
| <b>Category</b>             | browsing  |
| <b>Sub Category</b>         | other     |
| <b>P2P Technology</b>       | No        |
| <b>Encrypted</b>            | No        |
| <b>Tunnel</b>               | No        |
| <b>Underlying Protocols</b> | -         |

## WAP-VCARD-S

|                          |                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | wap-vcard-s                                                                                                                                                                                       |
| <b>Full Name</b>         | WAP vCard Secure                                                                                                                                                                                  |
| <b>Description</b>       | Registered with IANA on port 9206 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>         | L4:9206                                                                                                                                                                                           |
| <b>ID</b>                | 735                                                                                                                                                                                               |
| <b>Known Mappings</b>    |                                                                                                                                                                                                   |
| UDP Port                 | 9206                                                                                                                                                                                              |
| TCP Port                 | 9206                                                                                                                                                                                              |
| IP Protocol              | -                                                                                                                                                                                                 |
| <b>IP Version</b>        |                                                                                                                                                                                                   |
| IPv4 Support             | Yes                                                                                                                                                                                               |
| IPv6 Support             | Yes                                                                                                                                                                                               |
| <b>Application Group</b> | wap-group                                                                                                                                                                                         |



|                             |          |
|-----------------------------|----------|
| <b>Category</b>             | browsing |
| <b>Sub Category</b>         | other    |
| <b>P2P Technology</b>       | No       |
| <b>Encrypted</b>            | Yes      |
| <b>Tunnel</b>               | No       |
| <b>Underlying Protocols</b> | -        |

## WAP-WSP

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | wap-wsp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Full Name</b>         | WAP connectionless session service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>       | Wireless Session Protocol (WSP) is an open standard for maintaining high level session. Wireless session is a normal Web browsing session that starts when the user connects to one URL and ends when the user leaves that URL. By establishing the session, the session wide properties need only to be defined once at the beginning of the session. This has the benefit of saving bandwidth due to the nature of the wireless communication. The session establishing process does not have lengthy hand shaking mechanisms. |
| <b>Reference</b>         | <a href="http://vallejo.cc/proyectos/envio%20sms_files/OMA-WAP-ProvCont-v1_1-20050428-C.pdf">http://vallejo.cc/proyectos/envio%20sms_files/OMA-WAP-ProvCont-v1_1-20050428-C.pdf</a>                                                                                                                                                                                                                                                                                                                                              |
| <b>Global ID</b>         | L4:9200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ID</b>                | 729                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Known Mappings</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UDP Port                 | 9200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| TCP Port                 | 9200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IP Protocol              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>IP Version</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| IPv4 Support             | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| IPv6 Support             | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Group</b> | wap-group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Category</b>          | browsing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sub Category</b>      | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                             |    |
|-----------------------------|----|
| <b>P2P Technology</b>       | No |
| <b>Encrypted</b>            | No |
| <b>Tunnel</b>               | No |
| <b>Underlying Protocols</b> | -  |

## WAP-WSP-S

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | wap-wsp-s                                                                                                                                                                                         |
| <b>Full Name</b>            | WAP secure connectionless session service                                                                                                                                                         |
| <b>Description</b>          | Registered with IANA on port 9202 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>            | L4:9202                                                                                                                                                                                           |
| <b>ID</b>                   | 731                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 9202                                                                                                                                                                                              |
| TCP Port                    | 9202                                                                                                                                                                                              |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | wap-group                                                                                                                                                                                         |
| <b>Category</b>             | browsing                                                                                                                                                                                          |
| <b>Sub Category</b>         | other                                                                                                                                                                                             |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

## WAP-WSP-WTP

|                             |                                                                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | wap-wsp-wtp                                                                                                                                                                                      |
| <b>Full Name</b>            | WAP session service                                                                                                                                                                              |
| <b>Description</b>          | Wireless Transaction Protocol (WTP) is a standard used in mobile telephony. It is a layer of the Wireless Application Protocol (WAP) that is intended to bring Internet access to mobile phones. |
| <b>Reference</b>            | <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>                                                                                                              |
| <b>Global ID</b>            | L4:9201                                                                                                                                                                                          |
| <b>ID</b>                   | 730                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                  |
| UDP Port                    | 9201                                                                                                                                                                                             |
| TCP Port                    | 9201                                                                                                                                                                                             |
| IP Protocol                 | -                                                                                                                                                                                                |
| <b>IP Version</b>           |                                                                                                                                                                                                  |
| IPv4 Support                | Yes                                                                                                                                                                                              |
| IPv6 Support                | Yes                                                                                                                                                                                              |
| <b>Application Group</b>    | wap-group                                                                                                                                                                                        |
| <b>Category</b>             | browsing                                                                                                                                                                                         |
| <b>Sub Category</b>         | other                                                                                                                                                                                            |
| <b>P2P Technology</b>       | No                                                                                                                                                                                               |
| <b>Encrypted</b>            | No                                                                                                                                                                                               |
| <b>Tunnel</b>               | No                                                                                                                                                                                               |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                |

## WAP-WSP-WTP-S

|                         |                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | wap-wsp-wtp-s                                                                                                                                                                                    |
| <b>Full Name</b>        | WAP Secure Session Service                                                                                                                                                                       |
| <b>Description</b>      | Wireless Transaction Protocol (WTP) is a standard used in mobile telephony. It is a layer of the Wireless Application Protocol (WAP) that is intended to bring Internet access to mobile phones. |
| <b>Reference</b>        | <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>                                                                                                              |

|                             |           |
|-----------------------------|-----------|
| <b>Global ID</b>            | L4:9203   |
| <b>ID</b>                   | 732       |
| <b>Known Mappings</b>       |           |
| UDP Port                    | 9203      |
| TCP Port                    | 9203      |
| IP Protocol                 | -         |
| <b>IP Version</b>           |           |
| IPv4 Support                | Yes       |
| IPv6 Support                | Yes       |
| <b>Application Group</b>    | wap-group |
| <b>Category</b>             | browsing  |
| <b>Sub Category</b>         | other     |
| <b>P2P Technology</b>       | No        |
| <b>Encrypted</b>            | Yes       |
| <b>Tunnel</b>               | No        |
| <b>Underlying Protocols</b> | -         |

## WAR-ROCK

|                         |                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | war-rock                                                                                                                                                                                                                                                                      |
| <b>Full Name</b>        | War-rock Online Gaming                                                                                                                                                                                                                                                        |
| <b>Description</b>      | War Rock is a multiplayer first-person shooter made by the South Korean company, Dream Execution. The game is distributed as a free-to-play, a common form of freeware EULA and available through online downloading. Outside of the Far East, the game is hosted by NexonEU. |
| <b>Reference</b>        | <a href="http://en.warrock.nexoneu.com/">http://en.warrock.nexoneu.com/</a>                                                                                                                                                                                                   |
| <b>Global ID</b>        | L4:5330                                                                                                                                                                                                                                                                       |
| <b>ID</b>               | 1395                                                                                                                                                                                                                                                                          |
| <b>Known Mappings</b>   |                                                                                                                                                                                                                                                                               |
| UDP Port                |                                                                                                                                                                                                                                                                               |
| TCP Port                | 5330,5340                                                                                                                                                                                                                                                                     |

|                             |       |
|-----------------------------|-------|
| 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> | -     |

## WASTE

|                          |                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | waste                                                                                                                                           |
| <b>Full Name</b>         | Waste                                                                                                                                           |
| <b>Description</b>       | Waste is an encrypted, decentralized peer to peer file sharing client. Users can chat and share files with another, all with strong encryption. |
| <b>Reference</b>         | <a href="http://waste.sourceforge.net/">http://waste.sourceforge.net/</a>                                                                       |
| <b>Global ID</b>         | L7:421                                                                                                                                          |
| <b>ID</b>                | 574                                                                                                                                             |
| <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>Category</b>          | file-sharing                                                                                                                                    |

|                             |                   |
|-----------------------------|-------------------|
| <b>Sub Category</b>         | p2p-file-transfer |
| <b>P2P Technology</b>       | Yes               |
| <b>Encrypted</b>            | Yes               |
| <b>Tunnel</b>               | No                |
| <b>Underlying Protocols</b> | -                 |

## WB-EXPAK

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | wb-expak                                                                                                                                                  |
| <b>Full Name</b>            | Wideband EXPAK                                                                                                                                            |
| <b>Description</b>          | Registered with IANA as IP Protocol 79                                                                                                                    |
| <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>            | L3:79                                                                                                                                                     |
| <b>ID</b>                   | 833                                                                                                                                                       |
| <b>Known Mappings</b>       |                                                                                                                                                           |
| UDP Port                    | -                                                                                                                                                         |
| TCP Port                    | -                                                                                                                                                         |
| IP Protocol                 | 79                                                                                                                                                        |
| <b>IP Version</b>           |                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                       |
| <b>Application Group</b>    | other                                                                                                                                                     |
| <b>Category</b>             | layer3-over-ip                                                                                                                                            |
| <b>Sub Category</b>         | other                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                        |
| <b>Tunnel</b>               | No                                                                                                                                                        |
| <b>Underlying Protocols</b> | -                                                                                                                                                         |

## WB-MON

|                             |                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | wb-mon                                                                                                                                                    |
| <b>Full Name</b>            | WIDEBAND Monitoring                                                                                                                                       |
| <b>Description</b>          | Registered with IANA as IP Protocol 78                                                                                                                    |
| <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>            | L3:78                                                                                                                                                     |
| <b>ID</b>                   | 832                                                                                                                                                       |
| <b>Known Mappings</b>       |                                                                                                                                                           |
| UDP Port                    | -                                                                                                                                                         |
| TCP Port                    | -                                                                                                                                                         |
| IP Protocol                 | 78                                                                                                                                                        |
| <b>IP Version</b>           |                                                                                                                                                           |
| IPv4 Support                | Yes                                                                                                                                                       |
| IPv6 Support                | Yes                                                                                                                                                       |
| <b>Application Group</b>    | other                                                                                                                                                     |
| <b>Category</b>             | layer3-over-ip                                                                                                                                            |
| <b>Sub Category</b>         | other                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                        |
| <b>Encrypted</b>            | No                                                                                                                                                        |
| <b>Tunnel</b>               | No                                                                                                                                                        |
| <b>Underlying Protocols</b> | -                                                                                                                                                         |

## WCCP

|                         |                                  |
|-------------------------|----------------------------------|
| <b>Name/CLI Keyword</b> | wccp                             |
| <b>Full Name</b>        | Web Cache Communication Protocol |

|                             |                                                                                                                                                                                                                                                                                                      |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Web Cache Communication Protocol (WCCP) is a routing-cache protocol developed by Cisco. The protocol localizes network traffic and "intelligently" distributes load across multiple network caches for maximized download performance and content availability. WCCP usually uses TCP/UDP port 2048. |
| <b>Reference</b>            | <a href="http://www.cisco.com/en/US/docs/ios/12_0t/12_0t3/feature/guide/wccp.html">http://www.cisco.com/en/US/docs/ios/12_0t/12_0t3/feature/guide/wccp.html</a>                                                                                                                                      |
| <b>Global ID</b>            | L4:2048                                                                                                                                                                                                                                                                                              |
| <b>ID</b>                   | 1396                                                                                                                                                                                                                                                                                                 |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                      |
| UDP Port                    | 2048                                                                                                                                                                                                                                                                                                 |
| TCP Port                    | 2048                                                                                                                                                                                                                                                                                                 |
| 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> | -                                                                                                                                                                                                                                                                                                    |

## WEBEX-MEETING

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | webex-meeting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Full Name</b>        | WebEx Meeting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | WebEx is an application that provides online meeting, web conferencing and video conferencing services. It recreates face-to-face meetings with real-time data, application-, audio- and video-sharing capabilities. The underlying protocol Webex uses is SSL. Audio over webex: represents the transfer of audio traffic over the Webex application. Video over webex: represents the transfer of video traffic over the Webex application. Specifies the data type: represents which payload webex is transferring- audio/video. |



|                             |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| <b>Reference</b>            | <a href="http://www.webex.com/overview/index.html">http://www.webex.com/overview/index.html</a> |
| <b>Global ID</b>            | L7:414                                                                                          |
| <b>ID</b>                   | 1306                                                                                            |
| <b>Known Mappings</b>       |                                                                                                 |
| UDP Port                    | -                                                                                               |
| TCP Port                    | -                                                                                               |
| IP Protocol                 | -                                                                                               |
| <b>IP Version</b>           |                                                                                                 |
| IPv4 Support                | Yes                                                                                             |
| IPv6 Support                | Yes                                                                                             |
| <b>Application Group</b>    | webex-group                                                                                     |
| <b>Category</b>             | voice-and-video                                                                                 |
| <b>Sub Category</b>         | voice-video-chat-collaboration                                                                  |
| <b>P2P Technology</b>       | No                                                                                              |
| <b>Encrypted</b>            | Yes                                                                                             |
| <b>Tunnel</b>               | No                                                                                              |
| <b>Underlying Protocols</b> | No                                                                                              |

## WEBSense

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | websense                                                                                                                                                          |
| <b>Full Name</b>        | Websense                                                                                                                                                          |
| <b>Description</b>      | Websense is a company specializing in web filtering software. Their software is used by customers to protect their networks from unwanted or inappropriate usage. |
| <b>Reference</b>        | <a href="http://www.websense.com/">http://www.websense.com/</a>                                                                                                   |
| <b>Global ID</b>        | L4:15868                                                                                                                                                          |
| <b>ID</b>               | 1369                                                                                                                                                              |
| <b>Known Mappings</b>   |                                                                                                                                                                   |
| UDP Port                |                                                                                                                                                                   |

|                             |                  |
|-----------------------------|------------------|
| TCP Port                    | 15868,15871      |
| IP Protocol                 | -                |
| <b>IP Version</b>           |                  |
| IPv4 Support                | Yes              |
| IPv6 Support                | Yes              |
| <b>Application Group</b>    | other            |
| <b>Category</b>             | internet-privacy |
| <b>Sub Category</b>         | internet-privacy |
| <b>P2P Technology</b>       | No               |
| <b>Encrypted</b>            | No               |
| <b>Tunnel</b>               | No               |
| <b>Underlying Protocols</b> | -                |

## WEBSTER

|                          |                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | webster                                                                                             |
| <b>Full Name</b>         | webster                                                                                             |
| <b>Description</b>       | The webster protocol supports access to a single dictionary and (optionally) to a single thesaurus. |
| <b>Reference</b>         | <a href="http://tools.ietf.org/html/rfc2229">http://tools.ietf.org/html/rfc2229</a>                 |
| <b>Global ID</b>         | L4:765                                                                                              |
| <b>ID</b>                | 637                                                                                                 |
| <b>Known Mappings</b>    |                                                                                                     |
| UDP Port                 | 765                                                                                                 |
| TCP Port                 | 765                                                                                                 |
| 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> | -     |

## WEBTHUNDER

|                             |                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | webthunder                                                                                                      |
| <b>Full Name</b>            | Webthunder                                                                                                      |
| <b>Description</b>          | Webthunder is a peer to peer file sharing application. It works over the HTTP protocol and is popular in China. |
| <b>Reference</b>            | <a href="http://my.xunlei.com/setup.htm">http://my.xunlei.com/setup.htm</a>                                     |
| <b>Global ID</b>            | L7:445                                                                                                          |
| <b>ID</b>                   | 1055                                                                                                            |
| <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>Category</b>             | file-sharing                                                                                                    |
| <b>Sub Category</b>         | p2p-file-transfer                                                                                               |
| <b>P2P Technology</b>       | Yes                                                                                                             |
| <b>Encrypted</b>            | No                                                                                                              |
| <b>Tunnel</b>               | No                                                                                                              |
| <b>Underlying Protocols</b> | No                                                                                                              |

## WHOAMI

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | whoami                                                                                                                                                                                            |
| <b>Full Name</b>            | whoami                                                                                                                                                                                            |
| <b>Description</b>          | Registered with IANA on port 565 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>            | L4:565                                                                                                                                                                                            |
| <b>ID</b>                   | 480                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 565                                                                                                                                                                                               |
| TCP Port                    | 565                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Category</b>             | net-admin                                                                                                                                                                                         |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

## WHOIS++

|                         |                 |
|-------------------------|-----------------|
| <b>Name/CLI Keyword</b> | whois++         |
| <b>Full Name</b>        | whois++ Service |

|                             |                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | WHOIS++ is an extension to the trivial WHOIS service (a TCP transaction based query/response server, running on the SRI-NIC machine, that provides netwide directory service to internet users) to permit WHOIS-like servers to make available more structured information to the Internet. |
| <b>Reference</b>            | <a href="http://www.ietf.org/rfc/rfc1835">http://www.ietf.org/rfc/rfc1835</a>                                                                                                                                                                                                               |
| <b>Global ID</b>            | L4:63                                                                                                                                                                                                                                                                                       |
| <b>ID</b>                   | 86                                                                                                                                                                                                                                                                                          |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                             |
| UDP Port                    | 63                                                                                                                                                                                                                                                                                          |
| TCP Port                    | 63                                                                                                                                                                                                                                                                                          |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                           |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                             |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                         |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                         |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                       |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                                                   |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                                                                                                          |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                          |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                          |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                           |

## WINDOWS-AZURE

|                         |                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | windows-azure                                                                                                                                                                                                                                                                                                                         |
| <b>Full Name</b>        | Microsoft Windows Azure                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Windows Azure is an open and flexible cloud platform that enables users to build, deploy, and manage applications across a global network of Microsoft-managed data centers. Users can build applications using any language tool or framework, and can integrate thier public cloud applications with their existing IT environment. |
| <b>Reference</b>        | <a href="https://www.windowsazure.com/en-us/">https://www.windowsazure.com/en-us/</a>                                                                                                                                                                                                                                                 |

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Global ID</b>            | L7:510                          |
| <b>ID</b>                   | 1445                            |
| <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>Category</b>             | business-and-productivity-tools |
| <b>Sub Category</b>         | other                           |
| <b>P2P Technology</b>       | No                              |
| <b>Encrypted</b>            | Yes                             |
| <b>Tunnel</b>               | No                              |
| <b>Underlying Protocols</b> | No                              |

## WINDOWS-UPDATE

|                         |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | windows-update                                                                                                                                                                                                                                                                                                                               |
| <b>Full Name</b>        | Windows Update                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | Windows Update is a Control Panel applet found in recent versions of Microsoft Windows that provides updates for the operating system and related components, such as definition updates to the Windows Defender anti-spyware product and Junk Mail filter updates for Windows Mail. It uses HTTP and SSL protocols as underlying protocols. |
| <b>Reference</b>        | <a href="http://technet.microsoft.com/en-us/library/cc732448%28WS.10%29.aspx">http://technet.microsoft.com/en-us/library/cc732448%28WS.10%29.aspx</a>                                                                                                                                                                                        |
| <b>Global ID</b>        | L7:415                                                                                                                                                                                                                                                                                                                                       |
| <b>ID</b>               | 1307                                                                                                                                                                                                                                                                                                                                         |
| <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>Category</b>             | net-admin |
| <b>Sub Category</b>         | other     |
| <b>P2P Technology</b>       | No        |
| <b>Encrypted</b>            | Yes       |
| <b>Tunnel</b>               | No        |
| <b>Underlying Protocols</b> | -         |

## WINMX

|                          |                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | winmx                                                                                                                               |
| <b>Full Name</b>         | WinMX                                                                                                                               |
| <b>Description</b>       | WinMX is a freeware peer-to-peer file sharing client developed by Frontcode Technologies in 2001. It runs on Windows OS.            |
| <b>Reference</b>         | <a href="http://compnetworking.about.com/od/winmx/f/winmxstatus.htm">http://compnetworking.about.com/od/winmx/f/winmxstatus.htm</a> |
| <b>Global ID</b>         | L7:68                                                                                                                               |
| <b>ID</b>                | 68                                                                                                                                  |
| <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>Category</b>             | file-sharing      |
| <b>Sub Category</b>         | p2p-file-transfer |
| <b>P2P Technology</b>       | Yes               |
| <b>Encrypted</b>            | No                |
| <b>Tunnel</b>               | No                |
| <b>Underlying Protocols</b> | -                 |

## WINNY

|                             |                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | winny                                                                                                                                           |
| <b>Full Name</b>            | Winny                                                                                                                                           |
| <b>Description</b>          | Winny is a Japanese Peer to Peer file sharing protocol, it works on windows OS. The protocol was based on WinMX.                                |
| <b>Reference</b>            | <a href="http://arufa.wordpress.com/2008/08/10/winnys-protocol-handshake/">http://arufa.wordpress.com/2008/08/10/winnys-protocol-handshake/</a> |
| <b>Global ID</b>            | L7:469                                                                                                                                          |
| <b>ID</b>                   | 372                                                                                                                                             |
| <b>Known Mappings</b>       |                                                                                                                                                 |
| UDP Port                    | -                                                                                                                                               |
| TCP Port                    | -                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                               |
| <b>IP Version</b>           |                                                                                                                                                 |
| IPv4 Support                | Yes                                                                                                                                             |
| IPv6 Support                | Yes                                                                                                                                             |
| <b>Application Group</b>    | p2p-file-transfer                                                                                                                               |
| <b>Category</b>             | file-sharing                                                                                                                                    |
| <b>Sub Category</b>         | p2p-file-transfer                                                                                                                               |
| <b>P2P Technology</b>       | Yes                                                                                                                                             |
| <b>Encrypted</b>            | No                                                                                                                                              |
| <b>Tunnel</b>               | No                                                                                                                                              |
| <b>Underlying Protocols</b> | -                                                                                                                                               |



## WLCCP

|                             |                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | wlccp                                                                                                                                                                                              |
| <b>Full Name</b>            | Wireless LAN Context Control Protocol                                                                                                                                                              |
| <b>Description</b>          | Wireless LAN Context Control Protocol (WLCCP) is used by Cisco wireless access points and servers to manage a multiple access point wireless infrastructure called Wireless Domain Services (WDS). |
| <b>Reference</b>            | <a href="http://www.google.com/patents/US20050220054">http://www.google.com/patents/US20050220054</a>                                                                                              |
| <b>Global ID</b>            | L4:2887                                                                                                                                                                                            |
| <b>ID</b>                   | 1397                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                    |
| UDP Port                    | 2887                                                                                                                                                                                               |
| TCP Port                    | 2887                                                                                                                                                                                               |
| 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> | -                                                                                                                                                                                                  |

## WORLD FUSION

|                         |                                           |
|-------------------------|-------------------------------------------|
| <b>Name/CLI Keyword</b> | worldfusion                               |
| <b>Full Name</b>        | World Fusion                              |
| <b>Description</b>      | Registered with IANA on port 2595 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>            | L4:2595                                                                                                                                                                                           |
| <b>ID</b>                   | 719                                                                                                                                                                                               |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 2595                                                                                                                                                                                              |
| TCP Port                    | 2595                                                                                                                                                                                              |
| 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> | -                                                                                                                                                                                                 |

## WPGS

|                         |                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | wpgs                                                                                                                                                                                              |
| <b>Full Name</b>        | wpgs                                                                                                                                                                                              |
| <b>Description</b>      | Registered with IANA on port 780 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>        | L4:780                                                                                                                                                                                            |
| <b>ID</b>               | 651                                                                                                                                                                                               |
| <b>Known Mappings</b>   |                                                                                                                                                                                                   |
| UDP Port                | 780                                                                                                                                                                                               |

|                             |       |
|-----------------------------|-------|
| TCP Port                    | 780   |
| 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> | -     |

## WSN

|                          |                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | wsn                                                                                                                                                       |
| <b>Full Name</b>         | Wang Span Network                                                                                                                                         |
| <b>Description</b>       | Registered with IANA as IP Protocol 74                                                                                                                    |
| <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>         | L3:74                                                                                                                                                     |
| <b>ID</b>                | 828                                                                                                                                                       |
| <b>Known Mappings</b>    |                                                                                                                                                           |
| UDP Port                 | -                                                                                                                                                         |
| TCP Port                 | -                                                                                                                                                         |
| IP Protocol              | 74                                                                                                                                                        |
| <b>IP Version</b>        |                                                                                                                                                           |
| IPv4 Support             | Yes                                                                                                                                                       |
| IPv6 Support             | Yes                                                                                                                                                       |
| <b>Application Group</b> | other                                                                                                                                                     |

|                             |                |
|-----------------------------|----------------|
| <b>Category</b>             | layer3-over-ip |
| <b>Sub Category</b>         | other          |
| <b>P2P Technology</b>       | No             |
| <b>Encrypted</b>            | No             |
| <b>Tunnel</b>               | No             |
| <b>Underlying Protocols</b> | -              |

## XACT-BACKUP

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Name/CLI Keyword</b>     | xact-backup                     |
| <b>Full Name</b>            | xact-backup                     |
| <b>Description</b>          | xact-backup                     |
| <b>Reference</b>            | -                               |
| <b>Global ID</b>            | L4:911                          |
| <b>ID</b>                   | 667                             |
| <b>Known Mappings</b>       |                                 |
| UDP Port                    | 911                             |
| TCP Port                    | 911                             |
| IP Protocol                 | -                               |
| <b>IP Version</b>           |                                 |
| IPv4 Support                | Yes                             |
| IPv6 Support                | Yes                             |
| <b>Application Group</b>    | other                           |
| <b>Category</b>             | business-and-productivity-tools |
| <b>Sub Category</b>         | backup-systems                  |
| <b>P2P Technology</b>       | No                              |
| <b>Encrypted</b>            | No                              |
| <b>Tunnel</b>               | No                              |
| <b>Underlying Protocols</b> | -                               |

## X-BONE-CTL

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | x-bone-ctl                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Full Name</b>            | Xbone CTL                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>          | The X-Bone is a system for the automated deployment, management, coordination, and monitoring of IP overlay networks. Its core is composed of Overlay Managers (OM) which deploy and coordinate the overlay itself, and Resource Daemons (RD), which coordinate the resources of individual network components. The X-Bone Control protocol is used for exchanges between the Overlay Manager and the Resource Daemons. |
| <b>Reference</b>            | <a href="http://www.isi.edu/xbone/information/architecture.html#ctl">http://www.isi.edu/xbone/information/architecture.html#ctl</a>                                                                                                                                                                                                                                                                                     |
| <b>Global ID</b>            | L4:265                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ID</b>                   | 1137                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UDP Port                    | 265                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TCP Port                    | 265                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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>         | network-protocol                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                       |

## XDMCP

|                         |                                    |
|-------------------------|------------------------------------|
| <b>Name/CLI Keyword</b> | xdmcp                              |
| <b>Full Name</b>        | X Display Manager Control Protocol |

|                             |                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | In the X Window System, an X display manager runs as a program that allows the starting of a session on an X server from the same or another computer. |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/X_display_manager_(program_type)">http://en.wikipedia.org/wiki/X_display_manager_(program_type)</a>              |
| <b>Global ID</b>            | L4:177                                                                                                                                                 |
| <b>ID</b>                   | 109                                                                                                                                                    |
| <b>Known Mappings</b>       |                                                                                                                                                        |
| UDP Port                    | 177                                                                                                                                                    |
| TCP Port                    | 177                                                                                                                                                    |
| IP Protocol                 | -                                                                                                                                                      |
| <b>IP Version</b>           |                                                                                                                                                        |
| IPv4 Support                | Yes                                                                                                                                                    |
| IPv6 Support                | Yes                                                                                                                                                    |
| <b>Application Group</b>    | other                                                                                                                                                  |
| <b>Category</b>             | net-admin                                                                                                                                              |
| <b>Sub Category</b>         | remote-access-terminal                                                                                                                                 |
| <b>P2P Technology</b>       | No                                                                                                                                                     |
| <b>Encrypted</b>            | No                                                                                                                                                     |
| <b>Tunnel</b>               | No                                                                                                                                                     |
| <b>Underlying Protocols</b> | -                                                                                                                                                      |

## XDTP

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | xdtp                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Full Name</b>        | eXtensible Data Transfer Protocol                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Xpress Transport Protocol (XTP) is a transport layer protocol for high-speed networks promoted by the XTP Forum developed to replace TCP. XTP provides protocol options for error control, flow control, and rate control. Instead of separate protocols for each type of communication, XTP controls packet exchange patterns to produce different models, e.g. reliable datagrams, transactions, unreliable streams, and reliable multicast connections. |
| <b>Reference</b>        | <a href="http://en.wikipedia.org/wiki/Xpress_Transport_Protocol">http://en.wikipedia.org/wiki/Xpress_Transport_Protocol</a>                                                                                                                                                                                                                                                                                                                                |
| <b>Global ID</b>        | L4:3088                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>ID</b>                   | 741                             |
| <b>Known Mappings</b>       |                                 |
| UDP Port                    | 3088                            |
| TCP Port                    | 3088                            |
| IP Protocol                 | -                               |
| <b>IP Version</b>           |                                 |
| IPv4 Support                | Yes                             |
| IPv6 Support                | Yes                             |
| <b>Application Group</b>    | other                           |
| <b>Category</b>             | business-and-productivity-tools |
| <b>Sub Category</b>         | other                           |
| <b>P2P Technology</b>       | No                              |
| <b>Encrypted</b>            | No                              |
| <b>Tunnel</b>               | No                              |
| <b>Underlying Protocols</b> | -                               |

## XFER

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | xfer                                                                                                                                                              |
| <b>Full Name</b>        | Xfer Utility                                                                                                                                                      |
| <b>Description</b>      | The Xfer utility is used by domain name servers (DNS) to perform zone transfers.                                                                                  |
| <b>Reference</b>        | <a href="http://docs.oracle.com/cd/E19048-01/chorus5/806-7012/6jftqmea6/index.html">http://docs.oracle.com/cd/E19048-01/chorus5/806-7012/6jftqmea6/index.html</a> |
| <b>Global ID</b>        | L4:82                                                                                                                                                             |
| <b>ID</b>               | 955                                                                                                                                                               |
| <b>Known Mappings</b>   |                                                                                                                                                                   |
| UDP Port                | 82                                                                                                                                                                |
| TCP Port                | 82                                                                                                                                                                |
| 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> | -     |

## XFIRE

|                          |                                                                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | xfire                                                                                                                                                                                            |
| <b>Full Name</b>         | Xfire Instant Messaging Service                                                                                                                                                                  |
| <b>Description</b>       | Xfire is a proprietary freeware instant messaging service for gamers, that also serves as a game server browser and has various other features. It is currently available for Microsoft Windows. |
| <b>Reference</b>         | <a href="http://www.xfire.com/">http://www.xfire.com/</a>                                                                                                                                        |
| <b>Global ID</b>         | L4:25999                                                                                                                                                                                         |
| <b>ID</b>                | 1371                                                                                                                                                                                             |
| <b>Known Mappings</b>    |                                                                                                                                                                                                  |
| UDP Port                 |                                                                                                                                                                                                  |
| TCP Port                 | 25999                                                                                                                                                                                            |
| IP Protocol              | -                                                                                                                                                                                                |
| <b>IP Version</b>        |                                                                                                                                                                                                  |
| IPv4 Support             | Yes                                                                                                                                                                                              |
| IPv6 Support             | Yes                                                                                                                                                                                              |
| <b>Application Group</b> | other                                                                                                                                                                                            |
| <b>Category</b>          | gaming                                                                                                                                                                                           |
| <b>Sub Category</b>      | other                                                                                                                                                                                            |



|                             |    |
|-----------------------------|----|
| <b>P2P Technology</b>       | No |
| <b>Encrypted</b>            | No |
| <b>Tunnel</b>               | No |
| <b>Underlying Protocols</b> | -  |

## XMPP-CLIENT

|                          |                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | xmpp-client                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Full Name</b>         | XMPP Client Connection                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>       | Extensible Messaging and Presence Protocol (XMPP) is an open-standard communications protocol for message-oriented middleware based on XML. The protocol was originally named Jabber, and was developed for near-real-time, extensible instant messaging (IM), presence information, and contact list maintenance. The protocol today is also used in VoIP and file transfer signaling. |
| <b>Reference</b>         | <a href="http://xmpp.org/xmpp-software/clients/">http://xmpp.org/xmpp-software/clients/</a>                                                                                                                                                                                                                                                                                             |
| <b>Global ID</b>         | L4:5222                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ID</b>                | 1323                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Known Mappings</b>    |                                                                                                                                                                                                                                                                                                                                                                                         |
| UDP Port                 | 5222                                                                                                                                                                                                                                                                                                                                                                                    |
| TCP Port                 | 5222                                                                                                                                                                                                                                                                                                                                                                                    |
| IP Protocol              | -                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>IP Version</b>        |                                                                                                                                                                                                                                                                                                                                                                                         |
| IPv4 Support             | Yes                                                                                                                                                                                                                                                                                                                                                                                     |
| IPv6 Support             | Yes                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Application Group</b> | other                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Category</b>          | instant-messaging                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sub Category</b>      | client-server                                                                                                                                                                                                                                                                                                                                                                           |
| <b>P2P Technology</b>    | No                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Encrypted</b>         | No                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tunnel</b>            | No                                                                                                                                                                                                                                                                                                                                                                                      |

**Underlying Protocols** -

## XNET

|                             |                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | xnet                                                                                                                       |
| <b>Full Name</b>            | Cross Net Debugger                                                                                                         |
| <b>Description</b>          | Cross Net Debugger allows a programmer at one computer on a network to debug a program which executes on another computer. |
| <b>Reference</b>            | <a href="http://tools.ietf.org/html/rfc685">http://tools.ietf.org/html/rfc685</a>                                          |
| <b>Global ID</b>            | L3:15                                                                                                                      |
| <b>ID</b>                   | 770                                                                                                                        |
| <b>Known Mappings</b>       |                                                                                                                            |
| UDP Port                    | -                                                                                                                          |
| TCP Port                    | -                                                                                                                          |
| IP Protocol                 | 15                                                                                                                         |
| <b>IP Version</b>           |                                                                                                                            |
| IPv4 Support                | Yes                                                                                                                        |
| IPv6 Support                | Yes                                                                                                                        |
| <b>Application Group</b>    | other                                                                                                                      |
| <b>Category</b>             | layer3-over-ip                                                                                                             |
| <b>Sub Category</b>         | other                                                                                                                      |
| <b>P2P Technology</b>       | No                                                                                                                         |
| <b>Encrypted</b>            | No                                                                                                                         |
| <b>Tunnel</b>               | No                                                                                                                         |
| <b>Underlying Protocols</b> | -                                                                                                                          |

## XNS-AUTH

|                         |                                       |
|-------------------------|---------------------------------------|
| <b>Name/CLI Keyword</b> | xns-auth                              |
| <b>Full Name</b>        | Xerox Network Services Authentication |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Xerox Network Services(XNS) is a protocol suite developed by Xerox within the Xerox Network Systems Architecture. It provided general purpose network communications, internetwork routing and packet delivery, including higher level functions such as a reliable stream, and remote procedure calls. XNS predated and influenced the development of the Open Systems Interconnection(OSI) networking model. |
| <b>Reference</b>            | <a href="http://en.wikipedia.org/wiki/Xerox_Network_Systems">http://en.wikipedia.org/wiki/Xerox_Network_Systems</a>                                                                                                                                                                                                                                                                                            |
| <b>Global ID</b>            | L4:56                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ID</b>                   | 936                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                |
| UDP Port                    | 56                                                                                                                                                                                                                                                                                                                                                                                                             |
| TCP Port                    | 56                                                                                                                                                                                                                                                                                                                                                                                                             |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                            |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Application Group</b>    | xns-xerox-group                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Category</b>             | business-and-productivity-tools                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sub Category</b>         | authentication-services                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                                                                                              |

## XNS-CH

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | xns-ch                                                                                                                                                                                                                                          |
| <b>Full Name</b>        | XNS Clearinghouse                                                                                                                                                                                                                               |
| <b>Description</b>      | Xerox Network Services Clearinghouse (XNS Clearinghouse) is part of the XNS network protocol suite, used by Xerox to provide network services such as mail, filing, directory, and authentication for the installed base of Xerox workstations. |
| <b>Reference</b>        | <a href="http://tools.ietf.org/html/rfc1491">http://tools.ietf.org/html/rfc1491</a>                                                                                                                                                             |

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Global ID</b>            | L4:54                           |
| <b>ID</b>                   | 934                             |
| <b>Known Mappings</b>       |                                 |
| UDP Port                    | 54                              |
| TCP Port                    | 54                              |
| IP Protocol                 | -                               |
| <b>IP Version</b>           |                                 |
| IPv4 Support                | Yes                             |
| IPv6 Support                | Yes                             |
| <b>Application Group</b>    | xns-xerox-group                 |
| <b>Category</b>             | business-and-productivity-tools |
| <b>Sub Category</b>         | database                        |
| <b>P2P Technology</b>       | No                              |
| <b>Encrypted</b>            | No                              |
| <b>Tunnel</b>               | No                              |
| <b>Underlying Protocols</b> | -                               |

## XNS-COURIER

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | xns-courier                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Full Name</b>        | Xerox                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | Xerox Network Services (XNS) Courier is a remote procedure call protocol above which run Application protocols of XNS protocol suite. This suite provided general purpose network communications, internetwork routing and packet delivery, including higher level functions such as a reliable stream, and remote procedure calls. XNS predated and influenced the development of the Open Systems Interconnect (OSI) networking model. |
| <b>Reference</b>        | <a href="http://www.pulsewan.com/data101/pdfs/xns.pdf">http://www.pulsewan.com/data101/pdfs/xns.pdf</a>                                                                                                                                                                                                                                                                                                                                  |
| <b>Global ID</b>        | L4:165                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ID</b>               | 1010                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Known Mappings</b>   |                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                             |                 |
|-----------------------------|-----------------|
| UDP Port                    | 165             |
| TCP Port                    | 165             |
| IP Protocol                 | -               |
| <b>IP Version</b>           |                 |
| IPv4 Support                | Yes             |
| IPv6 Support                | Yes             |
| <b>Application Group</b>    | xns-xerox-group |
| <b>Category</b>             | email           |
| <b>Sub Category</b>         | other           |
| <b>P2P Technology</b>       | No              |
| <b>Encrypted</b>            | No              |
| <b>Tunnel</b>               | No              |
| <b>Underlying Protocols</b> | -               |

## XNS-IDP

|                         |              |
|-------------------------|--------------|
| <b>Name/CLI Keyword</b> | xns-idp      |
| <b>Full Name</b>        | xns-idp      |
| <b>Description</b>      | XEROX NS IDP |
| <b>Reference</b>        | -            |
| <b>Global ID</b>        | L3:22        |
| <b>ID</b>               | 776          |
| <b>Known Mappings</b>   |              |
| UDP Port                | -            |
| TCP Port                | -            |
| IP Protocol             | 22           |
| <b>IP Version</b>       |              |
| IPv4 Support            | Yes          |
| IPv6 Support            | Yes          |

|                             |                 |
|-----------------------------|-----------------|
| <b>Application Group</b>    | xns-xerox-group |
| <b>Category</b>             | layer3-over-ip  |
| <b>Sub Category</b>         | other           |
| <b>P2P Technology</b>       | No              |
| <b>Encrypted</b>            | No              |
| <b>Tunnel</b>               | No              |
| <b>Underlying Protocols</b> | -               |

## XNS-MAIL

|                          |                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | xns-mail                                                                                                                   |
| <b>Full Name</b>         | XNS mail                                                                                                                   |
| <b>Description</b>       | XNS Mail is part of the Xerox Network Services (XNS) protocol suit, which provides general purpose network communications. |
| <b>Reference</b>         | <a href="http://www.pulsewan.com/data101/pdfs/xns.pdf">http://www.pulsewan.com/data101/pdfs/xns.pdf</a>                    |
| <b>Global ID</b>         | L4:58                                                                                                                      |
| <b>ID</b>                | 937                                                                                                                        |
| <b>Known Mappings</b>    |                                                                                                                            |
| UDP Port                 | 58                                                                                                                         |
| TCP Port                 | 58                                                                                                                         |
| IP Protocol              | -                                                                                                                          |
| <b>IP Version</b>        |                                                                                                                            |
| IPv4 Support             | Yes                                                                                                                        |
| IPv6 Support             | Yes                                                                                                                        |
| <b>Application Group</b> | xns-xerox-group                                                                                                            |
| <b>Category</b>          | email                                                                                                                      |
| <b>Sub Category</b>      | other                                                                                                                      |
| <b>P2P Technology</b>    | No                                                                                                                         |
| <b>Encrypted</b>         | No                                                                                                                         |
| <b>Tunnel</b>            | No                                                                                                                         |

**Underlying Protocols** -

## XNS-TIME

|                             |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | xns-time                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Full Name</b>            | XNS Time Protocol                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>          | Xerox Network Services Time Protocol (XNS Time Protocol) provides the time at the specific server, along with additional information enabling the client to deduce the time in his or her own time zone. XNS Time Protocol is part of the XNS network protocol suite, used by Xerox to provide mail, filing, directory, authentication, etc. network services for the installed base of Xerox workstations. |
| <b>Reference</b>            | <a href="http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.15.423">http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.15.423</a>                                                                                                                                                                                                                                                                 |
| <b>Global ID</b>            | L4:52                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ID</b>                   | 932                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                                                                             |
| UDP Port                    | 52                                                                                                                                                                                                                                                                                                                                                                                                          |
| TCP Port                    | 52                                                                                                                                                                                                                                                                                                                                                                                                          |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                                                                                             |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                         |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Application Group</b>    | xns-xerox-group                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Category</b>             | net-admin                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Sub Category</b>         | network-management                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                                                                                           |

## XTP

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | xtp                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Full Name</b>            | Xpress Transport Protocol                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>          | Xpress Transport Protocol (XTP) is a transport layer protocol developed by the XTP Forum for high-speed networks, to replace TCP. XTP provides protocol options for error control, flow control, and rate control. Instead of separate protocols for each type of communication, XTP controls packet exchange patterns to produce different models, e.g. reliable datagrams, transactions, unreliable streams, and reliable multicast connections. |
| <b>Reference</b>            | <a href="http://www.cci.co.za/products/xtp.html">http://www.cci.co.za/products/xtp.html</a>                                                                                                                                                                                                                                                                                                                                                        |
| <b>Global ID</b>            | L3:36                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ID</b>                   | 790                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UDP Port                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TCP Port                    | -                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| IP Protocol                 | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Application Group</b>    | other                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Category</b>             | layer3-over-ip                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sub Category</b>         | other                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Encrypted</b>            | No                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## XUNLEI

|                         |        |
|-------------------------|--------|
| <b>Name/CLI Keyword</b> | xunlei |
| <b>Full Name</b>        | xunlei |



|                             |                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Xunlei is a download manager and p2p sharing application. It supports bittorrent, edonkey, http and ftp. Xunlei also boosts download speed using multi source technology. |
| <b>Reference</b>            | <a href="http://www.kankan.com/">http://www.kankan.com/</a>                                                                                                               |
| <b>Global ID</b>            | L7:537                                                                                                                                                                    |
| <b>ID</b>                   | 1471                                                                                                                                                                      |
| <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>Category</b>             | file-sharing                                                                                                                                                              |
| <b>Sub Category</b>         | p2p-file-transfer                                                                                                                                                         |
| <b>P2P Technology</b>       | Yes                                                                                                                                                                       |
| <b>Encrypted</b>            | No                                                                                                                                                                        |
| <b>Tunnel</b>               | No                                                                                                                                                                        |
| <b>Underlying Protocols</b> | No                                                                                                                                                                        |

## XVTTP

|                         |                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | xvttp                                                                                                                                                                                             |
| <b>Full Name</b>        | xvttp                                                                                                                                                                                             |
| <b>Description</b>      | Registered with IANA on port 508 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>        | L4:508                                                                                                                                                                                            |
| <b>ID</b>               | 422                                                                                                                                                                                               |
| <b>Known Mappings</b>   |                                                                                                                                                                                                   |

|                             |       |
|-----------------------------|-------|
| UDP Port                    | 508   |
| TCP Port                    | 508   |
| 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> | -     |

## XWINDOWS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | xwindows                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Full Name</b>        | X-Windows Remote Access                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | The X windows system is a computer software system and network protocol that provides a basis for graphical user interfaces (GUIs) and rich input device capability for networked computers. It creates a hardware abstraction layer where software is written to use a generalized set of commands, allowing for device independence and reuse of programs on any computer that implements X windows. |
| <b>Reference</b>        | <a href="http://en.wikipedia.org/wiki/X_Window_System">http://en.wikipedia.org/wiki/X_Window_System</a>                                                                                                                                                                                                                                                                                                |
| <b>Global ID</b>        | L4:6000                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ID</b>               | 45                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Known Mappings</b>   |                                                                                                                                                                                                                                                                                                                                                                                                        |
| UDP Port                |                                                                                                                                                                                                                                                                                                                                                                                                        |
| TCP Port                | 6000,6001,6002,6003                                                                                                                                                                                                                                                                                                                                                                                    |
| IP Protocol             | -                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>IP Version</b>       |                                                                                                                                                                                                                                                                                                                                                                                                        |

|                             |           |
|-----------------------------|-----------|
| IPv4 Support                | Yes       |
| IPv6 Support                | Yes       |
| <b>Application Group</b>    | other     |
| <b>Category</b>             | net-admin |
| <b>Sub Category</b>         | terminal  |
| <b>P2P Technology</b>       | No        |
| <b>Encrypted</b>            | No        |
| <b>Tunnel</b>               | No        |
| <b>Underlying Protocols</b> | -         |

## XYPLEX-MUX

|                          |                                                                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | xyplex-mux                                                                                                                                                                                        |
| <b>Full Name</b>         | Xyplex                                                                                                                                                                                            |
| <b>Description</b>       | Registered with IANA on port 173 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>         | L4:173                                                                                                                                                                                            |
| <b>ID</b>                | 1018                                                                                                                                                                                              |
| <b>Known Mappings</b>    |                                                                                                                                                                                                   |
| UDP Port                 | 173                                                                                                                                                                                               |
| TCP Port                 | 173                                                                                                                                                                                               |
| 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> | -  |

## YAHOO-ACCOUNTS

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | yahoo-accounts                                                                                                         |
| <b>Full Name</b>            | Yahoo! Accounts                                                                                                        |
| <b>Description</b>          | Yahoo Accounts is a protocol that covers the traffic of user login into one of multiple web services offered by Yahoo! |
| <b>Reference</b>            | <a href="http://login.yahoo.com">http://login.yahoo.com</a>                                                            |
| <b>Global ID</b>            | L7:533                                                                                                                 |
| <b>ID</b>                   | 1083                                                                                                                   |
| <b>Known Mappings</b>       |                                                                                                                        |
| UDP Port                    | -                                                                                                                      |
| TCP Port                    | -                                                                                                                      |
| IP Protocol                 | -                                                                                                                      |
| <b>IP Version</b>           |                                                                                                                        |
| IPv4 Support                | Yes                                                                                                                    |
| IPv6 Support                | Yes                                                                                                                    |
| <b>Application Group</b>    | yahoo-group                                                                                                            |
| <b>Category</b>             | browsing                                                                                                               |
| <b>Sub Category</b>         | authentication-services                                                                                                |
| <b>P2P Technology</b>       | No                                                                                                                     |
| <b>Encrypted</b>            | Yes                                                                                                                    |
| <b>Tunnel</b>               | No                                                                                                                     |
| <b>Underlying Protocols</b> | No                                                                                                                     |

## YAHOO-MAIL

|                             |                                                                                                                                                                                                                                                                                         |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | yahoo-mail                                                                                                                                                                                                                                                                              |
| <b>Full Name</b>            | Yahoo! Mail                                                                                                                                                                                                                                                                             |
| <b>Description</b>          | Yahoo! Mail is a free e-mail service offered by the American search engine company Yahoo!. It was inaugurated in 1997. Yahoo! Mail was the second largest web-based email service with 310 million users as of October 2011, and the most popular webmail service in the United States. |
| <b>Reference</b>            | <a href="http://mail.yahoo.com">http://mail.yahoo.com</a>                                                                                                                                                                                                                               |
| <b>Global ID</b>            | L7:526                                                                                                                                                                                                                                                                                  |
| <b>ID</b>                   | 1462                                                                                                                                                                                                                                                                                    |
| <b>Known Mappings</b>       |                                                                                                                                                                                                                                                                                         |
| UDP Port                    | -                                                                                                                                                                                                                                                                                       |
| TCP Port                    | -                                                                                                                                                                                                                                                                                       |
| IP Protocol                 | -                                                                                                                                                                                                                                                                                       |
| <b>IP Version</b>           |                                                                                                                                                                                                                                                                                         |
| IPv4 Support                | Yes                                                                                                                                                                                                                                                                                     |
| IPv6 Support                | Yes                                                                                                                                                                                                                                                                                     |
| <b>Application Group</b>    | yahoo-group                                                                                                                                                                                                                                                                             |
| <b>Category</b>             | email                                                                                                                                                                                                                                                                                   |
| <b>Sub Category</b>         | other                                                                                                                                                                                                                                                                                   |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                                                                                                      |
| <b>Encrypted</b>            | Yes                                                                                                                                                                                                                                                                                     |
| <b>Tunnel</b>               | No                                                                                                                                                                                                                                                                                      |
| <b>Underlying Protocols</b> | No                                                                                                                                                                                                                                                                                      |

## YAHOO-MESSENGER

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | yahoo-messenger                                                                                                                                                                                                                                             |
| <b>Full Name</b>        | Yahoo Messenger                                                                                                                                                                                                                                             |
| <b>Description</b>      | Yahoo messenger is an all-in-one communication tool that uses client-server architecture. The application includes multiple features: instant messaging, phone calls, synchronized online address book, webcam, gaming, emailing and online radio stations. |

|                             |                                                                               |
|-----------------------------|-------------------------------------------------------------------------------|
| <b>Reference</b>            | <a href="http://messenger.yahoo.com/web/">http://messenger.yahoo.com/web/</a> |
| <b>Global ID</b>            | L7:77                                                                         |
| <b>ID</b>                   | 77                                                                            |
| <b>Known Mappings</b>       |                                                                               |
| UDP Port                    | -                                                                             |
| TCP Port                    | -                                                                             |
| IP Protocol                 | -                                                                             |
| <b>IP Version</b>           |                                                                               |
| IPv4 Support                | Yes                                                                           |
| IPv6 Support                | Yes                                                                           |
| <b>Application Group</b>    | yahoo-messenger-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> | No                                                                            |

## YAHOO-VOIP-MESSENGER

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | yahoo-voip-messenger                                                                                                                                                       |
| <b>Full Name</b>        | Yahoo VoIP Messenger                                                                                                                                                       |
| <b>Description</b>      | Yahoo VoIP Messenger is a feature included in Yahoo Messenger. It allows users to make calls PC to PC or PC to landline/mobile. The underlying protocols are SIP and HTTP. |
| <b>Reference</b>        | <a href="http://voice.yahoo.jajah.com/home/index.castle?">http://voice.yahoo.jajah.com/home/index.castle?</a>                                                              |
| <b>Global ID</b>        | L7:422                                                                                                                                                                     |
| <b>ID</b>               | 674                                                                                                                                                                        |
| <b>Known Mappings</b>   |                                                                                                                                                                            |
| UDP Port                | -                                                                                                                                                                          |

|                             |                                |
|-----------------------------|--------------------------------|
| TCP Port                    | -                              |
| IP Protocol                 | -                              |
| <b>IP Version</b>           |                                |
| IPv4 Support                | Yes                            |
| IPv6 Support                | Yes                            |
| <b>Application Group</b>    | yahoo-messenger-group          |
| <b>Category</b>             | voice-and-video                |
| <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> | No                             |

## YAHOO-VOIP-OVER-SIP

|                          |                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | yahoo-voip-over-sip                                                                                                       |
| <b>Full Name</b>         | Yahoo VoIP over SIP                                                                                                       |
| <b>Description</b>       | As a feature of Yahoo messenger, starting from version 8 and above, Yahoo voice uses SIP protocol to commence VoIP calls. |
| <b>Reference</b>         | <a href="http://messenger.yahoo.com/">http://messenger.yahoo.com/</a>                                                     |
| <b>Global ID</b>         | L7:302                                                                                                                    |
| <b>ID</b>                | 1195                                                                                                                      |
| <b>Known Mappings</b>    |                                                                                                                           |
| UDP Port                 | -                                                                                                                         |
| TCP Port                 | -                                                                                                                         |
| IP Protocol              | -                                                                                                                         |
| <b>IP Version</b>        |                                                                                                                           |
| IPv4 Support             | Yes                                                                                                                       |
| IPv6 Support             | Yes                                                                                                                       |
| <b>Application Group</b> | yahoo-messenger-group                                                                                                     |

|                             |                                |
|-----------------------------|--------------------------------|
| <b>Category</b>             | voice-and-video                |
| <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> | No                             |

## YOUTUBE

|                          |                                                                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>  | youtube                                                                                                                                                                                                                                       |
| <b>Full Name</b>         | Youtube                                                                                                                                                                                                                                       |
| <b>Description</b>       | YouTube is a video-sharing website. The user can watch videos or upload videos online to share with other users. Youtube works cross platform on: PC, iPhone, Android and BlackBerry. Youtube is using HTTP and RTSP as underlying protocols. |
| <b>Reference</b>         | <a href="http://www.youtube.com/t/about_youtube">http://www.youtube.com/t/about_youtube</a>                                                                                                                                                   |
| <b>Global ID</b>         | L7:82                                                                                                                                                                                                                                         |
| <b>ID</b>                | 82                                                                                                                                                                                                                                            |
| <b>Known Mappings</b>    |                                                                                                                                                                                                                                               |
| UDP Port                 | -                                                                                                                                                                                                                                             |
| TCP Port                 | -                                                                                                                                                                                                                                             |
| IP Protocol              | -                                                                                                                                                                                                                                             |
| <b>IP Version</b>        |                                                                                                                                                                                                                                               |
| IPv4 Support             | Yes                                                                                                                                                                                                                                           |
| IPv6 Support             | Yes                                                                                                                                                                                                                                           |
| <b>Application Group</b> | flash-group                                                                                                                                                                                                                                   |
| <b>Category</b>          | voice-and-video                                                                                                                                                                                                                               |
| <b>Sub Category</b>      | streaming                                                                                                                                                                                                                                     |
| <b>P2P Technology</b>    | No                                                                                                                                                                                                                                            |
| <b>Encrypted</b>         | No                                                                                                                                                                                                                                            |
| <b>Tunnel</b>            | No                                                                                                                                                                                                                                            |



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

## Z39.50

|                             |                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b>     | z39.50                                                                                                                              |
| <b>Full Name</b>            | Z39.50                                                                                                                              |
| <b>Description</b>          | Z39.50 is a client-server protocol for searching and retrieving information from remote computer databases.                         |
| <b>Reference</b>            | <a href="http://www.iso.org/iso/catalogue_detail.htm?csnumber=27446">http://www.iso.org/iso/catalogue_detail.htm?csnumber=27446</a> |
| <b>Global ID</b>            | L4:210                                                                                                                              |
| <b>ID</b>                   | 1108                                                                                                                                |
| <b>Known Mappings</b>       |                                                                                                                                     |
| UDP Port                    | 210                                                                                                                                 |
| TCP Port                    | 210                                                                                                                                 |
| IP Protocol                 | -                                                                                                                                   |
| <b>IP Version</b>           |                                                                                                                                     |
| IPv4 Support                | Yes                                                                                                                                 |
| IPv6 Support                | Yes                                                                                                                                 |
| <b>Application Group</b>    | other                                                                                                                               |
| <b>Category</b>             | business-and-productivity-tools                                                                                                     |
| <b>Sub Category</b>         | database                                                                                                                            |
| <b>P2P Technology</b>       | No                                                                                                                                  |
| <b>Encrypted</b>            | No                                                                                                                                  |
| <b>Tunnel</b>               | No                                                                                                                                  |
| <b>Underlying Protocols</b> | -                                                                                                                                   |

## ZANNET

|                         |        |
|-------------------------|--------|
| <b>Name/CLI Keyword</b> | zannet |
| <b>Full Name</b>        | Zannet |

|                             |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>          | Registered with IANA on port 317 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>            | L4:317                                                                                                                                                                                            |
| <b>ID</b>                   | 1157                                                                                                                                                                                              |
| <b>Known Mappings</b>       |                                                                                                                                                                                                   |
| UDP Port                    | 317                                                                                                                                                                                               |
| TCP Port                    | 317                                                                                                                                                                                               |
| IP Protocol                 | -                                                                                                                                                                                                 |
| <b>IP Version</b>           |                                                                                                                                                                                                   |
| IPv4 Support                | Yes                                                                                                                                                                                               |
| IPv6 Support                | Yes                                                                                                                                                                                               |
| <b>Application Group</b>    | other                                                                                                                                                                                             |
| <b>Category</b>             | file-sharing                                                                                                                                                                                      |
| <b>Sub Category</b>         | client-server                                                                                                                                                                                     |
| <b>P2P Technology</b>       | No                                                                                                                                                                                                |
| <b>Encrypted</b>            | No                                                                                                                                                                                                |
| <b>Tunnel</b>               | No                                                                                                                                                                                                |
| <b>Underlying Protocols</b> | -                                                                                                                                                                                                 |

## ZATT00

|                         |                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | zattoo                                                                                                                                                                                                                 |
| <b>Full Name</b>        | Zattoo                                                                                                                                                                                                                 |
| <b>Description</b>      | Zattoo is an online TV service that works on peer to peer technology over a broadband connection. Zattoo works on multiple devices: computer, iPhone, iPod touch or iPad and on various OS: Windows XP, Mac and Linux. |
| <b>Reference</b>        | <a href="http://zattoo.com/en/about-zattoo/what-is-zattoo">http://zattoo.com/en/about-zattoo/what-is-zattoo</a>                                                                                                        |
| <b>Global ID</b>        | L7:428                                                                                                                                                                                                                 |
| <b>ID</b>               | 115                                                                                                                                                                                                                    |
| <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>Category</b>             | voice-and-video               |
| <b>Sub Category</b>         | commercial-media-distribution |
| <b>P2P Technology</b>       | No                            |
| <b>Encrypted</b>            | No                            |
| <b>Tunnel</b>               | No                            |
| <b>Underlying Protocols</b> | -                             |

## ZSERV

|                         |                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Name/CLI Keyword</b> | zserv                                                                                                           |
| <b>Full Name</b>        | Zebra server                                                                                                    |
| <b>Description</b>      | zserv is the server for the ZFTP file transfer program which supports the transfer of ZEBRA RZ formatted files. |
| <b>Reference</b>        | <a href="http://linux.die.net/man/8/zserv">http://linux.die.net/man/8/zserv</a>                                 |
| <b>Global ID</b>        | L4:346                                                                                                          |
| <b>ID</b>               | 763                                                                                                             |
| <b>Known Mappings</b>   |                                                                                                                 |
| UDP Port                | 346                                                                                                             |
| TCP Port                | 346                                                                                                             |
| 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> | -     |

© 2013 Cisco Systems, Inc. All rights reserved.