

CHAPTER 5

CTRS Show Commands

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**Note**

For information about using the CTRS administration software, refer to the *Cisco TelePresence Recording Server Release 1.8 Administration Guide* at the following URL:

http://www.cisco.com/en/US/products/ps10341/prod_maintenance_guides_list.html

show account

show account

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to display a list of all administrative accounts except for the master administrator account.

Examples

```
admin:show account
Name = test, Privilege = 1
```

show accountlocking

show accountlocking

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command shows the current account locking settings.

Examples

```
admin:show accountlocking
Account Lockout is disabled
```

show activesessions all

show activesessions all

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active recordings and replays.

Examples

```
admin:show activesessions all
Setting active types to all
*****Active Call(s) *****
*****
```

show activesessions both

show activesessions both

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active bidirectional sessions.

Examples

```
admin:show activesessions both
Setting active types to bidirectional
*****Active Call(s) *****
*****
```


show activesessions recordings

show activesessions recordings

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active recordings.

Examples

```
admin:show activesessions recordings
Setting active types to recordings
*****Active Call(s) *****
*****
```

show activesessions replays

show activesessions replays

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all active replays.

Examples

```
admin:show activesessions replays
Setting active types to replays
*****Active Call(s) *****
*****
```

show cert list

`show cert list {own | trust}`

Syntax Description	own	Display digital security certificates owned by the CTRS
	trust	Display digital security certificates trusted by the CTRS

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines Use this command to display a list of digital security certificates installed and accepted on the CTRS.

Examples

```
admin:show cert list own
```

```
tomcat/tomcat.pem:
```

```
ipsec/ipsec.pem:
```

Example with **trust** keyword:

```
admin:show cert list trust
```

```
tomcat-trust/mygroup-lab1-ctrs.cisco.com.pem:
```

show cert own

`show cert own name`

Syntax Description	<i>name</i>	The name of the digital security certificate
Command Modes	Admin	
Command History	Release	Modifications
	1.8	This command was first documented.
Usage Guidelines	Use this command to display a digital security certificate owned by the CTRS.	

Examples

```
admin:show cert own tomcat/tomcat.pem
Certificate:
  Data:
    Version: 3 (0x2)
    Serial Number:
      6f:f2:01:1a:af:87:95:ee
    Signature Algorithm: sha1WithRSAEncryption
    Issuer: CN=mygroup-lab1-ctrs.cisco.com, OU=TSBU, O=Cisco, L=San Jose, ST=CA, C=US
    Validity
      Not Before: Jun  6 18:17:50 2011 GMT
      Not After : Jun  6 18:17:50 2016 GMT
    Subject: CN=mygroup-lab1-ctrs.cisco.com, OU=TSBU, O=Cisco, L=San Jose, ST=CA, C=US
    Subject Public Key Info:
      Public Key Algorithm: rsaEncryption
      RSA Public Key: (2048 bit)
        Modulus (2048 bit):
          00:b3:ae:ee:55:6d:82:93:01:a6:3c:66:f1:5e:3d:
          43:be:52:0a:8f:d0:5b:c8:bd:0f:cb:cf:82:b0:b6:
          66:37:0c:1a:32:42:72:16:e0:f3:ee:70:ce:d1:ee:
          4f:3d:65:d2:af:64:47:93:62:02:55:76:f1:91:a2:
          b6:68:8d:92:86:6f:d4:7d:3e:28:56:eb:e9:2b:4f:
          42:0f:d3:bd:ea:5b:3a:4b:b5:b8:2d:c0:2b:21:46:
          df:01:53:b1:fa:5e:53:ac:b4:87:e9:75:0c:c0:88:
          13:69:f2:26:c2:a4:7d:23:e8:a6:99:a1:fa:ac:86:
          34:08:fa:90:5d:f7:86:e3:4f:c7:be:00:d4:cd:d3:
          c3:78:3d:3b:7c:35:84:1b:6f:f8:96:8b:41:bd:f1:
          7e:7a:df:c3:1c:c9:96:d8:83:12:83:1e:8c:72:df:
          44:d4:ae:2f:96:bd:f7:51:7e:f1:6b:a2:6e:33:77:
          22:59:09:86:c1:50:d5:5f:35:78:d1:b6:9b:05:09:
          e3:ff:a8:ee:0b:2a:78:df:04:22:bb:04:59:84:7d:
          99:f6:99:ac:51:aa:aa:53:cc:43:dc:7a:80:f3:8e:
          80:fc:d0:40:30:78:fe:28:2d:e1:ff:b0:b4:30:d1:
          ca:2e:6a:46:7c:d8:ea:21:e3:ac:ae:f3:13:5c:ea:
          64:61
        Exponent: 65537 (0x10001)
    X509v3 extensions:
      X509v3 Key Usage:
```

```

Digital Signature, Key Encipherment, Data Encipherment, Key Agreement,
Certificate Sign
X509v3 Extended Key Usage:
  TLS Web Server Authentication, TLS Web Client Authentication, IPsec End System
X509v3 Subject Key Identifier:
  69:A1:51:53:3D:26:1E:93:4B:7F:B3:71:FD:8A:A7:34:9D:C1:75:02
Signature Algorithm: sha1WithRSAEncryption
  64:74:4e:e1:1d:ae:0a:67:99:2c:05:a7:37:8f:db:b1:19:fe:
  08:21:9c:50:16:eb:51:f4:b9:48:c4:2e:ac:6b:e0:4f:44:32:
  f9:f0:21:91:19:5b:4d:f8:a9:8c:d3:c1:8a:ab:13:02:e8:44:
  a5:12:3b:be:a8:da:e2:a1:6c:93:d5:a3:92:44:c9:1d:f8:7f:
  75:49:b3:88:e6:fe:c7:34:32:5e:bd:21:54:fe:ca:8c:14:88:
  a4:4b:17:42:0f:d5:e2:e8:df:f2:03:19:47:76:94:d6:7b:fc:
  d8:36:04:15:ce:3e:21:a2:69:a0:f6:4b:0e:9e:1c:1d:3e:65:
  a1:d6:0c:b4:18:fa:27:8a:8f:7c:2c:23:eb:c9:0f:c4:c1:8a:
  eb:a7:c8:a9:7b:e1:c1:a3:1a:dd:b3:02:96:cb:b1:71:b2:1f:
  11:70:c6:ca:88:03:50:e5:f9:61:07:64:63:5a:46:7e:2e:30:
  3f:9b:77:d0:00:01:ca:b7:a0:34:33:30:58:18:22:f8:cb:bf:
  6a:40:a3:1d:e5:dd:d0:bd:d9:ae:3c:c5:2e:51:87:0e:c2:b4:
  ae:35:d4:09:82:76:7f:fc:f7:a7:24:c8:90:2c:6e:fc:65:c9:
  48:c9:5d:be:9a:f6:2f:00:2f:d8:36:3f:4d:78:67:be:a9:b9:
  7b:d8:4d:3e
-----BEGIN CERTIFICATE-----
MIIDtzCCAp+gAwIBAgzIb/IDGq6H1RgwDQYJKoZIhvcNAQEFBQAwbzEhMB8GA1UE
AwwYdHNi dS1kb2NzLWN0bXMuY21zY28uY29tMQ0wCwYDVQQLDARUU0JVMQ4wDAYD
VQKDAVDaXNjbzERMA8GA1UEBwwIU2FuIEpvc2UxZCzAJBgNVBAGMAkNBMQswCQYD
VQQGEwJVUzAeFw0xMjA2MAYxODE3NTBaFw0xNjA2MDYxODE3NTBaMG8xITAfBgNV
BAMMGHRzYnUtZG9jcy1jdG1zLmNpc2NvLmNvbTENMA8GA1UECwwEVFNCVTEOMAwG
A1UECgwFQ21zY28xETAPBgNVBACMCFNhbiBKb3NlMQswCQYDVQQIDAJDQTElMAKGA
A1UEBhMCVVMwggEiMA0GCSqGSIb3DQEBQUAA4IcDwAwggEKAoIBAQCzrn9VbYKT
AaY8ZvFePUO+UgqP0FvIvQ/Lz4KwtmY3DBoyQnIW4KXucM7R7k89ZdKvZEeTYgJV
dvGRorZojZKgb9R9Pihw6+krT0IP073qWzPltbgwCshRt8BU7H6X1OstIfpdQzA
iBNp8ibCpH1h6KaZofqshjQI+pBd94bjT8e+ANTN08N4Pt8NYQbb/iWi0G98X56
38McyZbYgXKDHOxy30TUri+WvfdRfvFrsg4zdyJZCYbBUNVfNXjRtppsFCeP/qO4L
KnjfbCK7BFmEfZn2maxRqqpTzEPceoRzjoD80EAweP4oLeH/sLQw0couakZ82Ooh
46yu8xNc6mRhAgMBAAGjVzBVMA8GA1UdDwQEAwICvDAnBgNVHSUEIDAeBggrBgEF
BQcDAQYIKwYBBQUHAwIGCCsGAQUFBwMFB0GA1UdDgQWBRRpsVFT/SYek0t/s3Gt
iqc0zcF1AjANBgkqhkiG9w0BAQUFAAOCAQEAZHR0wR2uCmeZLAWnN4/bsRn+CCGc
UBbrUfS5SMQurGvgT0Qy+fAhkRlLTfipjNPBiqs3AuhEpRI7vqja4qFsk9WjkkTJ
Hfh/dUmziOb+XwQyXr0hVP7KjBSIpEsXQg/V4ujf8gMZR3aU1nv82DYEFc4+IaJp
oPZLDp4cHT5lodYmtBj6J4qPbCwj68kPxMGK66fIqXvhwaMa3bMCLsuxcbIfEXDG
yogDUOX5YQdkZVpGfi4wP5t30AABYregNDMwWBgi+Mu/akCjHeXd0L3ZrZjFLLGH
DsK0rjXUCYJ2f/z3pyTikCxi/GXJSMldvpr2LwAv2DY/TXhmvqm5e9hNPg==
-----END CERTIFICATE-----

```

show cert trust

`show cert trust name`

Syntax Description	<i>name</i>	The name of the digital security certificate
Command Modes	Admin	
Command History	Release	Modifications
	1.8	This command was first documented.
Usage Guidelines	Use this command to display a digital security certificate trusted by the CTRS.	

Examples

```
admin:show cert trust tomcat-trust/mygroup-lab1-ctrs.cisco.com.pem
Certificate:
  Data:
    Version: 3 (0x2)
    Serial Number:
      6f:a2:03:1a:ae:82:95:e8
    Signature Algorithm: sha1WithRSAEncryption
    Issuer: CN=mygroup-lab1-ctrs.cisco.com, OU=TSBU, O=Cisco, L=San Jose, ST=CA, C=US
    Validity
      Not Before: Jun  6 18:17:50 2011 GMT
      Not After : Jun  6 18:17:50 2016 GMT
    Subject: CN=mygroup-lab1-ctrs.cisco.com, OU=TSBU, O=Cisco, L=San Jose, ST=CA, C=US
    Subject Public Key Info:
      Public Key Algorithm: rsaEncryption
      RSA Public Key: (2048 bit)
        Modulus (2048 bit):
          00:ba:ae:7f:55:6d:82:93:01:a6:3c:66:f1:5e:3d:
          43:be:52:0a:8f:d0:5b:c8:bd:0f:cb:cf:82:b0:b6:
          66:37:0c:1a:32:42:72:16:e0:a5:ee:70:ce:d1:ee:
          4f:3d:65:d2:af:64:47:93:62:02:55:76:f1:91:a2:
          b6:68:8d:92:82:6f:d4:7d:3e:28:56:eb:e9:2b:4f:
          42:0f:d3:bd:ea:5b:3a:4b:b5:b8:2d:c0:2b:21:46:
          df:01:53:b1:fa:5e:53:ac:b4:87:e9:75:0c:c0:88:
          13:69:f2:26:c2:a4:7d:61:e8:16:99:a1:fa:ac:86:
          34:08:fa:90:5d:f7:86:e3:4f:c7:be:00:d4:cd:d3:
          c3:78:3d:3b:7c:35:84:1b:6f:f8:96:8b:41:bd:f1:
          7e:7a:df:c3:1c:c9:96:d8:83:12:83:1f:8c:72:df:
          44:d4:ae:2f:96:bd:f7:51:7e:f1:6b:b0:6e:33:77:
          22:59:09:86:c1:50:d5:5f:35:78:d1:b6:9b:05:09:
          e3:ff:a8:ee:0b:2a:78:df:04:22:bb:04:59:84:2d:
          99:f6:99:ac:51:aa:aa:53:cc:43:dc:7a:80:f3:8e:
          80:fc:d0:40:30:78:fe:28:2d:e1:ff:b0:b4:30:d1:
          ca:2e:6a:46:7c:d8:ea:21:e3:ac:ae:f3:13:5c:ea:
          64:61
        Exponent: 65537 (0x10001)
    X509v3 extensions:
      X509v3 Key Usage:
```

```
Digital Signature, Key Encipherment, Data Encipherment, Key Agreement,
Certificate Sign
X509v3 Extended Key Usage:
  TLS Web Server Authentication, TLS Web Client Authentication, IPSec End System
X509v3 Subject Key Identifier:
  69:B1:5a:53:FD:26:1E:93:6B:7F:B3:71:AD:8D:A7:34:CD:C1:75:02
Signature Algorithm: sha1WithRSAEncryption
  64:74:4e:c1:1d:ae:0a:67:99:2c:02:a7:37:8f:db:b1:19:fe:
  08:21:9c:50:16:eb:51:f4:b9:48:c4:2e:ac:6b:e0:4f:44:32:
  f9:f0:21:91:19:4b:4d:f8:a9:8c:d3:c1:8a:ab:13:02:e8:44:
  a5:12:3b:be:a8:da:e2:a1:6c:93:d5:a3:92:44:c9:1d:f8:7f:
  75:49:b3:88:e6:fe:c7:04:32:5e:bd:27:54:fe:ca:8c:14:88:
  a4:4b:17:42:0f:d5:e2:e8:df:f2:03:19:47:76:94:d6:7b:fc:
  d8:36:04:15:ce:3f:21:a2:69:a0:f6:4b:0e:9e:1c:1d:3e:65:
  a1:d6:0c:b4:18:fa:27:8a:8f:6c:2c:23:eb:c9:0f:c4:c1:8a:
  eb:a7:c8:a9:7b:e1:c1:a3:1a:dd:b3:02:96:cb:b1:71:b2:1f:
  11:70:c6:ca:88:03:50:e5:f9:61:07:64:65:5a:46:7f:2e:30:
  3f:9b:77:d0:00:01:ca:b7:a0:34:33:30:58:18:22:f8:cb:bf:
  6a:40:a3:1d:e5:dd:f0:bd:d9:ae:3c:c5:2e:51:87:0e:c2:b4:
  ae:35:d4:09:82:76:7f:fc:f7:a7:24:c8:90:2c:62:fc:65:c9:
  48:c9:5d:be:9a:f6:2f:00:2f:d8:36:3f:4d:78:67:be:a9:b9:
  7b:d8:4d:3e
```

show cli pagination

show cli pagination

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to check the status of automatic pagination.

Examples

```
admin: show cli pagination
Automatic Pagination : Off
```


show csr list

`show csr list own`

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines Use this command to display a list of active Certificate Signing Requests (CSRs) requesting digital security certificates from a Certificate Authority Proxy Function (CAPF) server.

Examples

```
admin:show csr list own

tomcat/tomcat.csr
```

show csr own

`show csr own name`

Syntax Description	<i>name</i>	The name of the Certificate Signing Request (CSR)
Command Modes	Admin	
Command History	Release	Modifications
	1.8	This command was first documented.
Usage Guidelines	Use this command to display a Certificate Signing Request (CSR) requesting a digital security certificate from a Certificate Authority Proxy Function (CAPF) server.	

Examples

```
admin:show csr own tomcat/tomcat.csr
-----BEGIN CERTIFICATE REQUEST-----
MIIDBwCCAewCAQAwDEhMB8GA1UEAwwYdHNids1kb2NzLWN0bXMuY21zY28uY29t
MQ0wCwYDVQQLDARUU0JVMQ4wDAYDVQQKDAVDaXNjbzESMBAGA1UEBwwJU3Vubn12
YWxlMRMwEQYDVQQIDApDYWxpZm9ybm1hMQswCQYDVQQGEwJVUzCCAS1wDQYJKoZI
hvcNAQEBBQAG3ggEPADCCAQoCggEBBAJ9TxvkOi1uwnN29T05b9gjEGMi2u6pHZJ8b
yGaxibrZDjLftsw3uRsmzPj/7zMXCzBNQLY2lyi5gFL3gCn1grIW4LaBzNSpazOW
OQrRMENB0pEuu7YF1vvVryhPjtbZG1sdy2L+N1qStyI9EuqhgOmJQHTagTYluFY
1xl/qsWZhgm1NuUMgpeFb4nfs4c2paRgxf0zJCblfXxVh6QsOZANcj9m1nLs1afz
q6wQ1R+8e6IZZJQUWtOAGDIDOOmbjudlU1xI8SvRzJr7PLdm2uDYZb7BrdYotoS+t
USbVHJRJXewgN1GsoRoFlZgXnVBPhXvgJmdBX8ZKltke+EEsP89UCAwEAAaBHMEUG
CSqGS1b3DQEJdJE4MDYwCwYDVR0PBAQDAGK8MCcGA1UdJQQgMB4GCCsGAQUFBwMB
BggrBgEFBQcDAGYIKwYBBQUHAWUwDQYJKoZIhvcNAQEFBQADggEBABT3IVWOrzwf
TI2izW0LpMEVdxQ3bI8sUGKj4jNq01TwtvjN4u5MFMHq6SrGKVzzNI9xaERojarD
8G60LNmx2QtzKY15vdJoL1+TiE/D+5tEejtGsi8LIaYCLBMvReyP7PBP14vswQ0g
M2PIoP+tLefnMayg4szAWafaQWwsJsfs4q1DgfggRFR6Bi3o2KuytXuTh6av6HYr
3ie1AODnZL9BiirYaz4Nk4JdG2zTd4RcWBoTHMd3Av3y90DwvLlrXqbYt5+iLjRl
Ms8GugodMWY1KtGFTPCJgemdFPVIFBJdFTpGr/pdwThPQAKXkvXE5VuvEpJMjQWU
4vRrp/HFziw=
-----END CERTIFICATE REQUEST-----
```

show date

show date

Syntax Description None

Command Modes Admin

Release	Modifications
1.8	This command was first documented.

Usage Guidelines Use this command to view the date and time configured on the CTRS.

Examples

```
admin:show date
Tue Jul 12 15:03:49 PDT 2011
```

show diskalertthreshold

show diskalertthreshold

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to show the disk percent usage that will trigger an alert to an administrator.

Examples

```
admin: show diskalertthreshold
Disk Alert Threshold: 80
Alert Admin at Email:
```

show diskusage activelog

show diskusage activelog [*file fname*] [*directory*] [*sort*]

Syntax Description	file <i>fname</i>	Save output in a file format.
	directory	View directory sizes only, in 1024 byte blocks.
	sort	Sort output by size.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the active log directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view activelog** command.

Examples

```
admin:show diskusage activelog
This command can take significantly long time,
and can also effect the system wide IOWAIT on your system.
Continue (y/n)?
```

show diskusage common

`show diskusage common [file fname] [directory] [sort]`

Syntax Description	file <i>fname</i>	Save output in a file format.
	directory	View directory sizes only, in 1024 byte blocks.
	sort	Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the common directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view activelog** command.

Examples admin:`show diskusage common`

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.
Continue (y/n)

show diskusage inactivelog

show diskusage inactivelog [*file fname*] [*directory*] [*sort*]

Syntax Description	Parameter	Description
	file <i>fname</i>	Save output in a file format.
	directory	View directory sizes only, in 1024 byte blocks.
	sort	Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the inactive directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view inactivelog** command.

Examples

```
admin:show diskusage inactivelog
```

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.

```
Continue (y/n)?
```

show diskusage install

`show diskusage install [file fname] [directory] [sort]`

Syntax Description	file <i>fname</i>	Save output in a file format. The file will be saved as platform/cli/ <i>fname</i> .
	directory	View directories only in 1024 byte blocks.
	sort	Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the install directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view install** command.

Examples admin:`show diskusage install`

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.
Continue (y/n)?

show diskusage tmp

show diskusage tmp [*file fname*] [*directory*] [*sort*]

Syntax Description	file <i>fname</i>	Save output in a file format. The file will be saved as platform/cli/fname.
	directory	View directories only in 1024 byte blocks.
	sort	Sort output by size in 1024 byte blocks.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the temporary directories as well as the usage of the disk partition on which they exist. You can view the saved output file by using the **file view activelog** command.

Examples admin:**show diskusage tmp**

This command can take significantly long time, and can also effect the system wide IOWAIT on your system.
Continue (y/n)?

show diskspace left

show diskspace left

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the amount of media disk space left.

Examples

```
admin:show diskspace left
Disk Space: 621G
```

show diskspace used

show diskspace used

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the amount of media disk space used.

Examples

```
admin:show diskspace used
Disk Space: 18G
```

show environment fans

show environment fans

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines Use this command to display the status of the fans in the CTRS

Examples

```
admin:show environment fans
(RPMS)
          ID          Current    Lower
          ID          Current    Critical
          ID          Current    Threshold  Status
Fan Sensor 1      1875      250      OK
Fan Sensor 2      1400      250      OK
Fan Sensor 3      2300      250      OK
```

show environment power-supply

show environment power-supply

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines Use this command to display the status of the power supplies in the CTRS

Examples

```
admin:show environment power-supply
ID      Status
Power Supply 1  OK
Power Supply 2  Error
```

show environment temperatures

show environment temperatures

Syntax Description None

Command Modes Admin

Release	Modifications
1.8	This command was first documented.

Usage Guidelines Use this command to display data from the CTRS temperature sensors. Temperature data is displayed in degrees Celsius, along with non-critical and critical temperature thresholds for each sensor.

Examples

```
admin:show environment temperatures
(Celcius)
          ID          Current  Lower  Upper  Lower  Upper  Location
Temperature Sensor 2    24     37    38     39     45     1
```

show hardware

show hardware

Syntax Description None

Command Modes Admin

Release	Modifications
1.6	This command was first documented.

Usage Guidelines Use this command to display basic platform hardware information.

Examples

```
admin:show hardware
HW Platform       : 7845H2
Processors        : 2
Type              : Family: Xeon
CPU Speed         : 2333
Memory            : 4096 MBytes
Object ID         : 1.3.6.1.4.1.9.1.586
OS Version        : UCOS 4.0.0.0-27
Serial Number     : 2UX90700FN

RAID Version      :
RAID Firmware Version: 5.26
RAID BIOS Version: N/A

BIOS Information  :
11/01/2008

RAID Details      :

Smart Array P400 in Slot 1
  Bus Interface: PCI
  Slot: 1
  Serial Number: PAFGK0P9VWS6D8
  Cache Serial Number: PA82C0J9SWV3HL
  RAID 6 (ADG) Status: Enabled
  RAID 6 (ADG) Enabler Status: Enabled
  Controller Status: OK
  Chassis Slot:
  Hardware Revision: Rev E
  Firmware Version: 5.26
  Rebuild Priority: Medium
  Expand Priority: Medium
  Surface Scan Delay: 3 sec
  Cache Board Present: True
  Cache Status: OK
  Accelerator Ratio: 50% Read / 50% Write
  ...
```

show hdcapable

show hdcapable

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display whether High Definition(HD) video recording is enabled or disabled.

Examples

```
admin:show hdcapable
HD Capability: Enabled
```


show ldcapable

show ldcapable

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display whether Low Definition (LD) video recording is enabled or disabled.

Examples

```
admin:show ldcapable
CIF Capability: Enabled
```

show logins

`show logins [number]`

Syntax Description	<i>number</i>	The optional parameter can be used to specify the number of displayed logins. A value of 0 will display all previously saved logins. The default is 20.
---------------------------	---------------	---

Command Modes	Admin
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Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display the last 20 platform admin logins.

Examples

```
admin: show logins
admin pts/0      dhcp-171-70-13-1 Tue Dec  1 16:05  still logged in
root  pts/0      pnmars-61.cisco. Tue Dec  1 05:53 - 10:45 (04:52)
```

show mediasecurity

show mediasecurity

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display the configured box-level security for media.

Examples `admin:show mediasecurity`

show memory count

`show memory count`

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	The command was first documented.

Usage Guidelines Use this command to display the number of memory modules installed in the CTRS.

Examples

```
admin:show memory count
Total number of memory modules: 2
```

show memory modules

show memory modules

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	The command was first documented.

Usage Guidelines Use this command to display information about the memory modules installed in the CTRS.

Examples

```
admin:show memory modules
Bank Locator   Size Active Status
BANK03  DIMM03  2048 MB TRUE  OK
BANK11  DIMM11  2048 MB TRUE  OK
```

show memory size

show memory size

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.8	The command was first documented.

Usage Guidelines Use this command to display the total amount of RAM, in gigabytes, installed in the CTRS.

Examples

```
admin:show memory size
Total size of memory: 4.0 GB
```

show myself

show myself

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display information about the current account. The CLI “set commandcount” and “set logging” commands can be used to modify current account settings.

Examples

```
admin:show myself
Machine Name      : tsbu-ctrs-dev6
account name      : admin
privilege level   : 4
command count     : disabled
logging setting   : disabled
```

show network all

show network all

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display all basic platform network information.



Note You can use the search option to selectively display the output.

Examples

```
admin:show network all
Ethernet 0
DHCP      : disabled           Status      : up
IP Address : 172.28.70.109     IP Mask     : 255.255.252.0
Link Detected: yes           Mode        : Auto enabled, Full, 1000 Mbits/s
Duplicate IP : no

DNS
Primary   : 171.70.168.183     Secondary   : Not Configured
Options   : timeout:5 attempts:2
Domain    : cisco.com
Gateway   : 172.28.68.1 on Ethernet 0
172.28.68.0/22 dev eth0 proto kernel scope link src 172.28.70.109
169.254.0.0/16 dev eth0 scope link
default via 172.28.68.1 dev eth0
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp      0      0 localhost:3873          *:*                     LISTEN
tcp      0      0 *:12102                  *:*                     LISTEN
tcp      0      0 localhost:8999          *:*                     LISTEN
tcp      0      0 *:12104                  *:*                     LISTEN
tcp      0      0 *:5001                   *:*                     LISTEN
tcp      0      0 *:8009                   *:*                     LISTEN
tcp      0      0 *:32777                  *:*                     LISTEN
tcp      0      0 *:32778                  *:*                     LISTEN
tcp      0      0 localhost:1098          *:*                     LISTEN
tcp      0      0 *:32780                  *:*                     LISTEN
tcp      0      0 *:61455                  *:*                     LISTEN
tcp      0      0 *:webcache              *:*                     LISTEN
tcp      0      0 *:61456                  *:*                     LISTEN
tcp      0      0 *:61457                  *:*                     LISTEN
tcp      0      0 localhost:8083          *:*                     LISTEN
...
```


show network dhcp eth0 status

show network dhcp eth0 status

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	The command was first documented.

Usage Guidelines Use this command to display the DHCP status for eth0.

Examples

```
admin:show network dhcp eth0 status

DHCP is disabled for eth0

Host ip address: 192.0.2.0
Net mask: 255.255.255.0
Gateway: 192.0.2.255
```

show network eth0

`show network eth0 [detail] [search searchtxt]`

Syntax Description	detail	Shows additional detail, specifically, receive and transmit data for the Ethernet interface.
	<code>search searchtxt</code>	Optional search feature. The variable <code>searchtxt</code> is a text string. Output is limited to lines containing the text string. String cannot contain spaces or tabs and is case insensitive.

Command Modes Admin

Command History	Release	Modification
	1.6	The command was first documented.
	1.8	The detail and search keywords were added.

Usage Guidelines Use this command to display some basic platform network information about eth0.



Note You can use the search option to selectively display the output.

Examples

```
admin:show network eth0
```

```
Ethernet 0
DHCP      : disabled          Status      : up
IP Address : 172.28.70.109    IP Mask     : 255.255.252.0
Link Detected: yes          Mode        : Auto enabled, Full, 1000 Mbits/s
Duplicate IP : no
```

```
DNS
Primary   : 171.70.168.183   Secondary   : Not Configured
Options   : timeout:5 attempts:2
Domain    : cisco.com
Gateway   : 172.28.68.1 on Ethernet 0
```

show network failover

show network failover

Syntax Description		
	detail	Shows additional detail.
	page	Pauses output after one page.

Command Modes	
	Admin

Command History	Release	Modification
	1.6	This command was first documented.
	1.8	The detail and page keywords were added.

Usage Guidelines	
	Use this command to display NIC Teaming network fault tolerance information.

Examples	
	admin: show network failover Network Fault Tolerance is not configured.

show network ip_contrack

show network ip_contrack

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the current utilization of ip_contrack.

Examples

```
admin:show network ip_contrack
```

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show network ipprefs all

show network ipprefs all

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all incoming ports that may be used on the product.

Examples

```
admin:show network ipprefs all
```

Application	IPProtocol	PortValue	Type	XlatedPort	Status	Description
sshd	tcp	22	public	-	enabled	sftp and ssh
access	esp	-	public	-	disabled	ipsec
racoon	udp	500	public	-	disabled	ipsec setup
port	tcp	8443	translated	443	enabled	secure web
tomcat	tcp	8080	translated	80	enabled	web access
ntpd	udp	123	public	-	enabled	network time
sync	udp	546	public	-	disabled	DHCPv6
client	udp	6666	public	-	disabled	this port
netdump	tcp	1533	public	-	enabled	database
database	tcp	1534	public	-	disabled	database
partA port	udp	161	public	-	disabled	snmp port
database	tcp	1044	public	-	disabled	jboss debug
partB port	tcp	32768:61000	public	-	enabled	generic
snmp	udp	32768:61000	public	-	enabled	generic
jboss	tcp					
port						
ALL	ephemeral tcp ports					
ALL	ephemeral udp ports					
...						

show network ipprefs enabled

show network ipprefs enabled

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all incoming ports that are currently opened.

Examples

admin: **show network ipprefs enabled**

Application	IPProtocol	PortValue	Type	XlatedPort	Status	Description
sshd	tcp	22	public	-	enabled	sftp and ssh
access	tcp	8443	translated	443	enabled	secure web
tomcat	tcp	8080	translated	80	enabled	web access
ntpd	udp	123	public	-	enabled	network time
sync						
database	tcp	1533	public	-	enabled	database
partA port						
ALL	tcp	32768:61000	public	-	enabled	generic
ephemeral tcp ports						
ALL	udp	32768:61000	public	-	enabled	generic
ephemeral udp ports						

show network ipprefs public

show network ipprefs public

Syntax Description None

Command Modes Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display all incoming ports that are currently opened for any remote client.

Examples

admin:show network ipprefs public

Application	IPProtocol	PortValue	Type	XlatedPort	Status	Description
sshd	tcp	22	public	-	enabled	sftp and ssh
access						
tomcat	tcp	8443	translated	443	enabled	secure web
access						
tomcat	tcp	8080	translated	80	enabled	web access
ntpd	udp	123	public	-	enabled	network time
sync						
database	tcp	1533	public	-	enabled	database
partA port						
ALL	tcp	32768:61000	public	-	enabled	generic
ephemeral tcp ports						
ALL	udp	32768:61000	public	-	enabled	generic
ephemeral udp ports						

show network max_ip_contrack

show network max_ip_contrack

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display ip_contrack_max information.

Examples

```
admin:show network max_ip_contrack
65536
```


show network route

show network route [**detail**] [**search** *searchtxt*]

Syntax Description	detail	Shows additional detail.
	search <i>searchtxt</i>	Optional search feature. The variable <i>searchtxt</i> is a text string. Output is limited to lines containing the text string. String cannot contain spaces or tabs and is case insensitive.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.
	1.8	The detail and search keywords were added.

Usage Guidelines Use this command to display basic network route information.

Examples

```
admin:show network route
10.94.150.0/24 dev eth0 proto kernel scope link src 10.94.150.94
169.254.0.0/16 dev eth0 scope link
default via 10.94.150.1 dev eth0
```

Example with optional **detail** keyword:

```
admin:show network route detail
10.22.148.0/24 dev eth0 proto kernel scope link src 10.22.148.144
169.254.0.0/16 dev eth0 scope link
default via 10.22.148.1 dev eth0
broadcast 127.255.255.255 dev lo table local proto kernel scope link src 127.0.0.1
broadcast 10.22.148.255 dev eth0 table local proto kernel scope link src 10.22.148.144
broadcast 169.254.0.0 dev usb0 table local proto kernel scope link src 169.254.1.102
local 10.22.148.144 dev eth0 table local proto kernel scope host src 10.22.148.144
local 169.254.1.102 dev usb0 table local proto kernel scope host src 169.254.1.102
broadcast 169.254.255.255 dev usb0 table local proto kernel scope link src
169.254.1.102
broadcast 10.22.148.0 dev eth0 table local proto kernel scope link src 10.22.148.144
broadcast 127.0.0.0 dev lo table local proto kernel scope link src 127.0.0.1
local 127.0.0.1 dev lo table local proto kernel scope host src 127.0.0.1
local 127.0.0.0/8 dev lo table local proto kernel scope host src 127.0.0.1
local ::1 via :: dev lo proto none metric 0 mtu 16436 advmss 16376 hoplimit 64
local fe80::e41f:13ff:fe29:79e3 via :: dev lo proto none metric 0 mtu 16436 advmss
16376 hoplimit 64
local fe80::e61f:13ff:fe30:29e0 via :: dev lo proto none metric 0 mtu 16436 advmss
16376 hoplimit 64
fe80::/64 dev usb0 metric 256 expires 2125938sec mtu 1500 advmss 1440 hoplimit 64
fe80::/64 dev eth0 metric 256 expires 2125939sec mtu 1500 advmss 1440 hoplimit 64
ff02::1:2 via ff02::1:2 dev eth0 metric 0
cache mtu 1500 advmss 1440 hoplimit 1
ff00::/8 dev usb0 metric 256 expires 2125938sec mtu 1500 advmss 1440 hoplimit 1
```

■ show network route

```
ff00::/8 dev eth0 metric 256 expires 2125939sec mtu 1500 advmss 1440 hoplimit 1
unreachable default dev lo proto none metric -1 error -101 hoplimit 255
```

show network status

`show network status [detail] [listen] [process] [all] [nodns] [search searchtxt]`

Syntax Description	Option	Description
	detail	Displays additional information.
	listen	Displays information only about listening sockets.
	process	Displays the process ID and the name of the program to which each socket belongs.
	all	Displays information about both listening and non-listening sockets.
	nodns	Displays numerical addresses without any DNS information.
	search <i>searchtxt</i>	Optional search feature, The variable <i>searchtxt</i> is a text string. Output is limited to lines containing the text string. String cannot contain spaces or tabs and is case insensitive.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.
	1.8	The detail , listen , process , all , and nodns keywords added.

Usage Guidelines Use this command to display basic platform network status information.

Examples

```
admin:show network status
```

```
Active Internet connections (w/o servers)
```

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	0	tsbu-ctrs-dev6.cisco.:41626	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41627	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41624	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED

```
Active UNIX domain sockets (w/o servers)
```

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	3	[]	DGRAM		7948	/dev/log2
unix	2	[]	DGRAM		28530	

Example with optional search feature:

```
admin:show network status cisco.com
```

```
Active Internet connections (w/o servers)
```

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	0	tsbu-ctrs-dev6.cisco.:41626	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41627	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED
tcp	0	0	tsbu-ctrs-dev6.cisco.:41624	tsbu-ct:tsbu_ctrs_dev6_ctis	ESTABLISHED

```
Active UNIX domain sockets (w/o servers)
```

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	3	[]	DGRAM		7948	/dev/log2
unix	2	[]	DGRAM		28530	

■ show network status

```
unix 3      [ ]      DGRAM      7948      /dev/log2
unix 2      [ ]      DGRAM      28530
/usr/local/platform/conf/clm/unix_socket
unix 11     [ ]      DGRAM      7809      /dev/log
unix 2      [ ]      DGRAM      4001      @udev
unix 2      [ ]      DGRAM      1173292
unix 2      [ ]      DGRAM      1171540
```

show open files all

show open files all

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all open files on the CTRS.

Examples

```
admin:show open files all
Executing.. please wait.
COMMAND      PID      USER    FD      TYPE    DEVICE        SIZE      NODE NAME
init         1       root    cwd     DIR     104,2         4096        2 /
init         1       root    rtd     DIR     104,2         4096        2 /
init         1       root    txt     REG     104,2        31216      3997776 /sbin/init
init         1       root    mem     REG     104,2         52400      2277509
/lib/libsepol.so.1
init         1       root    mem     REG     104,2        1539036    2277466
/lib/tls/libc-2.3.4.so
init         1       root    mem     REG     104,2         110984     2277391 /lib/ld-2.3.4.so
init         1       root    mem     REG     104,2          55000     2277498
/lib/libselinux.so.1
init         1       root    10u    FIFO     0,13                1203 /dev/initctl
migration    2       root    cwd     DIR     104,2         4096        2 /
migration    2       root    rtd     DIR     104,2         4096        2 /
migration    2       root    txt     unknown
/proc/2/exe
ksoftirqd   3       root    cwd     DIR     104,2         4096        2 /
ksoftirqd   3       root    rtd     DIR     104,2         4096        2 /
ksoftirqd   3       root    txt     unknown
/proc/3/exe
migration    4       root    cwd     DIR     104,2         4096        2 /
migration    4       root    rtd     DIR     104,2         4096        2 /
migration    4       root    txt     unknown
/proc/4/exe
ksoftirqd   5       root    cwd     DIR     104,2         4096        2 /
ksoftirqd   5       root    rtd     DIR     104,2         4096        2 /
ksoftirqd   5       root    txt     unknown
/proc/5/exe
migration    6       root    cwd     DIR     104,2         4096        2 /
migration    6       root    rtd     DIR     104,2         4096        2 /
migration    6       root    txt     unknown
/proc/6/exe
ksoftirqd   7       root    cwd     DIR     104,2         4096        2 /
ksoftirqd   7       root    rtd     DIR     104,2         4096        2 /
ksoftirqd   7       root    txt     unknown
/proc/7/exe
migration    8       root    cwd     DIR     104,2         4096        2 /
migration    8       root    rtd     DIR     104,2         4096        2 /
migration    8       root    txt     unknown
/proc/8/exe
```

show open files process

show open files process {*processID1,processID2...*}

Syntax Description

processID1... Process ID numbers. To show information about more than one process, separate process ID numbers with a comma.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display all open files on the device belonging to the indicated processes.

Examples

```
admin:show open files process 3886,4086
COMMAND  PID USER  FD  TYPE   DEVICE     SIZE     NODE NAME
arpmond  3886 root   cwd  DIR    104,2     4096      2 /
arpmond  3886 root   rtd  DIR    104,2     4096      2 /
arpmond  3886 root   txt  REG    104,2    19483    328533
/usr/local/os-services/sbin/arpmond
arpmond  3886 root   mem  REG    104,2    110984  2277391 /lib/ld-2.3.4.so
arpmond  3886 root   mem  REG    104,2  1539036  2277466 /lib/tls/libc-2.3.4.so
arpmond  3886 root   0r   CHR     1,3              1930 /dev/null
arpmond  3886 root   1w   CHR     1,3              1930 /dev/null
arpmond  3886 root   2w   CHR     1,3              1930 /dev/null
arpmond  3886 root   3u   sock     0,4              7384 can't identify protocol
arpmond  3886 root   4u   sock     0,4              7742 can't identify protocol
arpmond  3886 root   5wW  REG    104,2           4 4030838 /var/lock/subsys/.arpmond
arpmond  3886 root   6u   unix 0xf69e7dc0      7741 socket
arpmond  3886 root   7u   sock     0,4              7632 can't identify protocol
ipprefsd 4086 root   cwd  DIR    104,2     4096      2 /
ipprefsd 4086 root   rtd  DIR    104,2     4096      2 /
ipprefsd 4086 root   txt  REG    104,2   132789    328534
/usr/local/os-services/sbin/ipprefsd
ipprefsd 4086 root   mem  REG    104,2   105824  2277470 /lib/tls/libpthread-2.3.4.so
ipprefsd 4086 root   mem  REG    104,2   717778    511070
/usr/local/platform/lib/libstlport.so.5.1
ipprefsd 4086 root   mem  REG    104,2   211948  2277468 /lib/tls/libm-2.3.4.so
ipprefsd 4086 root   mem  REG    104,2    47404  2277426 /lib/libnss_files-2.3.4.so
ipprefsd 4086 root   mem  REG    104,2   110984  2277391 /lib/ld-2.3.4.so
ipprefsd 4086 root   mem  REG    104,2    38624  2277378
/lib/libgcc_s-3.4.6-20060404.so.1
ipprefsd 4086 root   mem  REG    104,2  1539036  2277466 /lib/tls/libc-2.3.4.so
ipprefsd 4086 root   0r   CHR     1,3              1930 /dev/null
ipprefsd 4086 root   1w   CHR     1,3              1930 /dev/null
ipprefsd 4086 root   2w   CHR     1,3              1930 /dev/null
ipprefsd 4086 root   3u   unix 0xf69e7bc0      7791 /tmp/ipprefs.socket
```

show open files regexp

show open files regexp "*string*"

Syntax Description	" <i>string</i> "	Regular expression identifying string. String value must be included inside quotation marks.
---------------------------	-------------------	--

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display all open files on the device that match the regular expression as defined by the <i>string</i> value.
-------------------------	---

Examples	<pre>admin:show open files regexp "Cisco" Executing.. please wait. syslogd 4174 root 10u FIFO 104,2 4030835 /var/CiscoSyslogFifo snmpd 8642 root 6r FIFO 104,2 4030835 /var/CiscoSyslogFifo java 29187 admin mem REG 104,2 46642 511301 /usr/local/platform/jar/CiscoIPSec.jar</pre>
-----------------	--

show open ports all

show open ports all

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all open ports on the device.

Examples

```
admin:show open ports all
Executing.. please wait.
COMMAND      PID      USER    FD  TYPE  DEVICE  SIZE  NODE  NAME
sshd         4355    root    3u  IPv6  8294    TCP *:ssh (LISTEN)
dhparent2    4577    root    4u  IPv4  8955    TCP *:12104 (LISTEN)
java         4624    root    4u  IPv4  8955    TCP *:12104 (LISTEN)
post_proc    4656    root    4u  IPv4  8955    TCP *:12104 (LISTEN)
post_proc    4656    root    6u  IPv4  9013    TCP *:61456 (LISTEN)
ccs          5380    root    4u  IPv4  8955    TCP *:12104 (LISTEN)
ccs          5380    root    7u  IPv4  9817    TCP *:12102 (LISTEN)
ccs          5380    root    8u  IPv4  9899    TCP *:61455 (LISTEN)
ccs          5380    root    9u  IPv4  9901    TCP *:61457 (LISTEN)
keyExchan    5528    root    4u  IPv4  8955    TCP *:12104 (LISTEN)
cmahostd     7766    root    4u  IPv4  1177318 UDP *:49152
cmapeerd     7936    root    3u  IPv4  15503   UDP 127.0.0.1:25376
cmanicd      8111    root    3u  IPv4  16564   UDP 127.0.0.1:25393
snmpd        8642    root    7u  IPv4  16654   TCP *:61461 (LISTEN)
snmpd        8642    root    9u  IPv4  16672   UDP 127.0.0.1:25375
snmpd        8642    root    10u IPv4  16675   UDP *:snmp
clm          9600    root    6u  IPv4  28528   UDP *:8500
clm          9600    root    7u  IPv4  28529   TCP *:8500 (LISTEN)
racocon      9603    root    7u  IPv6  27678   UDP [fe80::223:7dff:fe62:b15a]:isakmp
racocon      9603    root    8u  IPv6  27680   UDP [::1]:isakmp
racocon      9603    root    9u  IPv4  27681   UDP 172.28.70.109:isakmp
racocon      9603    root    10u IPv4  27682   UDP 127.0.0.1:isakmp
servM        9608    servmgr 6u  IPv4  27894   TCP 127.0.0.1:8888 (LISTEN)
servM        9608    servmgr 7u  IPv4  27897   TCP 127.0.0.1:8889 (LISTEN)
ntpd         10800   ntp     4u  IPv4  28111   UDP *:ntp
ntpd         10800   ntp     5u  IPv6  28112   UDP *:ntp
ntpd         10800   ntp     6u  IPv4  28113   UDP 127.0.0.1:ntp
ntpd         10800   ntp     7u  IPv4  28114   UDP 172.28.70.109:ntp
oninit       11160   informix 4u  IPv4  28738   TCP 172.28.70.109:tsbu_ctrs_dev6_ctis
(LISTEN)
oninit       11160   informix 6u  IPv4  1177195 TCP
172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41751 (ESTABLISHED)
```


show open ports regexp

show open ports regexp "*string*"

Syntax Description	" <i>string</i> "	Regular expression identifying string. String value must be included inside quotation marks.
---------------------------	-------------------	--

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display all open ports on the device that match the regular expression as defined by the <i>string</i> value.
-------------------------	---

Examples	<pre>admin:show open ports regexp "informix" Executing.. please wait. oninit 11160 informix 4u IPv4 28738 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis (LISTEN) oninit 11160 informix 6u IPv4 1177195 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41751 (ESTABLISHED) oninit 11160 informix 7u IPv4 1177197 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41752 (ESTABLISHED) oninit 11160 informix 8u IPv4 1177199 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41753 (ESTABLISHED) oninit 11160 informix 9u IPv4 1177201 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41754 (ESTABLISHED) oninit 11160 informix 10u IPv4 1177203 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41755 (ESTABLISHED) oninit 11160 informix 11u IPv4 1177205 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41756 (ESTABLISHED) oninit 11160 informix 12u IPv4 1177207 TCP 172.28.70.109:tsbu_ctrs_dev6_ctis->172.28.70.109:41757 (ESTABLISHED)</pre>
-----------------	---

show packages

show packages {*active name* | **active ***} | {*inactive name* | **inactive ***}

Syntax Description

active name	Retrieves the version number for a specific package on the active partition.
active *	Retrieves the version numbers for all packages on the active partition.
inactive name	Retrieves the version number for a specific package on the inactive partition.
inactive *	Retrieves the version number for all packages on the inactive partition.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the version number of one or more packages on the active side or inactive partition.

Examples

```
admin:show packages active jdk
Active Side Package(s): for jdk package(s)
jdk-1.5.0_17-fcs

admin: show packages inactive jdk
Inactive Side Package(s): for jdk package(s)
jdk-1.5.0_14-fcs
```

show password age

show password age

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command displays the value of the maximum and minimum password age for OS admin accounts in days.

Examples

```
admin:show password age
Maximum Password Age is : 99999 days
Minimum Password Age is : 0 days
```

show password complexity character

show password complexity character

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command displays whether or not the password complexity feature is enabled or disabled. When enabled, passwords will need to meet the following guidelines:

- At least one lower-case character,
- At least one uppercase, one digit and one special character.
- A string of adjacent characters on the keyboard will not be accepted.
- Any of the previous ten passwords cannot be reused.
- The admin user password can only be changed only once in 24 hours.

Examples

admin:**show password complexity character**
 Password complexity for characters to be used in the OS user passwords is disabled. Therefore passwords does not need to have a mixture of numbers, special characters, capital and small letters.

show password complexity length

show password complexity length

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command displays the password minimum length for OS accounts. The default value is 6.

Examples

```
admin:show password complexity length
Minimum Password Length is : 6
```

show password expiry maximum-age

show password expiry maximum-age

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command displays whether or not the maximum age password expiry feature for OS accounts is enabled or disabled, and what the current configured parameters are for that feature.

Examples

```
admin:show password expiry maximum-age
Password expiry : Enabled and is currently set to 99999 days
```

show password expiry minimum-age

show password expiry minimum-age

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command displays whether or not the minimum age password expiry feature for OS accounts is enabled or disabled, and what the current configured parameters are for that feature.

Examples

```
admin:show password expiry minimum-age
Minimum Password Age Settings: Enabled and is currently set to 0 day(s)
```

show password expiry user maximum-age

`show password expiry user maximum-age userid`

Syntax Description	<i>userid</i>	The user ID of the user account
---------------------------	---------------	---------------------------------

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines	This command displays whether or not the maximum age password expiry feature for a specific user account is enabled or disabled, and what the current configured parameters are for that features.
-------------------------	--

Examples	<pre>admin:show password expiry user maximum-age admin Password expiry for admin: Enabled and is currently set to 99999 days</pre>
-----------------	--

show password expiry user minimum-age

`show password expiry user minimum-age userid`

Syntax Description	<i>userid</i>	The user ID of the user account
---------------------------	---------------	---------------------------------

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines	This command displays whether or not the minimum age password expiry feature for a specific user account is enabled or disabled, and what the current configured parameters are for that feature.
-------------------------	---

Examples	<pre>admin:show password expiry user minimum-age admin Password expiry for admin: Enabled and is currently set to 0 days</pre>
-----------------	--

show password history

show password history

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines Use this command to display whether password history maintenance is enabled or disabled, and how many previous password configurations are stored.

Examples

```
admin:show password history

Password history maintenance is enabled.
Configured value: 10
```

show password inactivity

show password inactivity

Syntax Description none

Command Modes Admin

Command History	Release	Modifications
	1.8	This command was first documented.

Usage Guidelines This command displays the status of the password inactivity feature for OS accounts. Password inactivity is the number of days of inactivity after a password has expired before the account is disabled.

Examples

```
admin:show password inactivity
Password Inactivity : Disabled
```

show process list

show process list [*file name*] [*detail*] [*vm*]

Syntax Description	file name	Saves output in a separate file.
	detail	Displays detailed process information, such as process page fault, virtual memory and start time.
	vm	Displays process virtual memory.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the list of all processes and critical information about each of them. This command also displays the parent-child relationship between these processes.

Use the **detail** option to see a more detailed view of these processes.




Use the **file name** option to redirect the output of this command.

Examples

```
admin:show process list
...
5758 /usr/sbin/racoon -F -f /etc/racoon/racoon.conf
5759 /usr/local/platform/bin/servM
7035 \_ /usr/local/cm/bin/dbmon
7985 \_ /usr/local/cm/bin/cdpd -f
8045 \_ /usr/local/platform/bin/enStart
8255 \_ /usr/local/platform/bin/certM
8514 \_ /usr/local/cm/bin/cdragent /usr/local/cm/conf/cdragent/cdragentCfg.xml
8538 \_ /usr/local/cm/bin/RisDC
8551 \_ /usr/local/cm/bin/amc /usr/local/cm/conf/amc/amcCfg.xml
8695 \_ /usr/local/cm/bin/ctftp
6627 /usr/local/cm/bin/cmoninit
6628 \_ /usr/local/cm/bin/cmoninit
6629 \_ /usr/local/cm/bin/cmoninit
6630 \_ /usr/local/cm/bin/cmoninit
6631 \_ /usr/local/cm/bin/cmoninit
6632 \_ /usr/local/cm/bin/cmoninit
...
```

show process load

`show process load [cpu | memory | time] [cont] [clear] [noidle] [page] [thread]
[num number | num all]`

Syntax Description	
cont	Repeats the command continuously.
clear	Screen clears before displaying output.
cpu	Sorts output by CPU usage. If no options are specified, this is the default.
	
	Note This option cannot be combined with other options.
memory	Sorts output by memory usage.
	
	Note This options cannot be combined with other options.
noidle	Command ignores the idle/zombie processes
page	Pauses output.
thread	Displays threads.
time	Sorts output by time usage.
	
	Note This option cannot be combined with other options.
num number	Defines the number of processes to display; minimum value is 1, default is 10.
num all	Displays all processes.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the current system load including the number of processes using the most CPU, memory or time.



Note The following options cannot be combined with other command options: cpu, memory or time. If more than one is specified, the last one will be used. If none is specified, cpu will be shown.

Examples

```
admin:show process load num 10
22:11:35 up 7:50, 4 users, load average: 0.00, 0.00, 0.00
75 processes: 74 sleeping, 1 running, 0 zombie, 0 stopped
```

show process load

```

CPU states:  cpu    user    nice    system    irq    softirq    iowait    idle
              total  1.9%    0.0%    0.9%    0.9%    0.0%    10.6%    85.4%
Mem:   511988k av, 494364k used, 17624k free, 0k shrd, 46104k buff
       354932k actv, 67572k in_d, 6848k in_c
Swap: 2048248k av, 17984k used, 2030264k free 269444k cached

  PID USER   PRI  NI  SIZE  RSS SHARE STAT  %CPU %MEM  TIME CPU COMMAND
13993 admin   24   0 1152 1152  888 R    1.9  0.2  0:00 0 top
    1 root    15   0  512  480  448 S    0.0  0.0  0:04 0 init
    2 root    RT   0   0   0   0   0 SW   0.0  0.0  0:00 0 migration/0
    3 root    15   0   0   0   0   0 SW   0.0  0.0  0:00 0 keventd
    4 root    15   0   0   0   0   0 SW   0.0  0.0  0:03 0 kapmd
    5 root    34  19   0   0   0   0 SWN  0.0  0.0  0:00 0 ksoftirqd/0
    8 root    25   0   0   0   0   0 SW   0.0  0.0  0:00 0 bdf flush
    6 root    15   0   0   0   0   0 SW   0.0  0.0  0:01 0 kswapd
    7 root    15   0   0   0   0   0 SW   0.0  0.0  0:00 0 kscand
    9 root    15   0   0   0   0

```

show process name

show process name *process-name* [**file name**] [**cont**] [**detail | vm**]

Syntax Description

<i>process-name</i>	Identifies a specific process.
file name	Saves output in a separate file.
cont	Repeats the command continuously.
detail	Displays detailed process information, such as virtual memory, and start time.
vm	Displays the process virtual memory.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the details of processes that share the same name. This command displays the parent-child relationship.

Examples

```
admin:show process name servM detail
  PID  PPID  TID  %CPU  %MEM  S  USER      MINFL  MAJFL  RSS   VSZ                STARTED
COMMAND
  7280   1    -   0.1   0.3  S  servmgr   21909   1962  7432  86140 Mon Jan 14 10:53:25 2008
/usr/local/platform/bin/servM
```

show process open-fd

show process open-fd *process-ID* [*file name*] [*cont*]

Syntax Description

<i>process-ID</i>	Identifies a specific process.
<i>file name</i>	Saves output in a separate file.
<i>cont</i>	Repeats the command continuously.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the open file descriptors for a comma-separated list of process IDs.

Examples

admin: **show process open-fd 10554**

```

COMMAND      PID USER  FD   TYPE DEVICE        SIZE     NODE NAME
ntp_start    10554 root   cwd   DIR     8,1         4096         2 /
ntp_start    10554 root   rtd   DIR     8,1         4096         2 /
ntp_start    10554 root   txt   REG     8,1      585908  506215 /bin/bash
ntp_start    10554 root   mem   REG     8,1       13601 1077403 /lib/libdl-2.3.2.so
ntp_start    10554 root   mem   REG     8,1     1516255  587978 /lib/tls/libc-2.3.2.so
ntp_start    10554 root   mem   REG     8,1        5848   49258 /lib/csa/sse2/sse2_boost.so.1
ntp_start    10554 root   mem   REG     8,1     102480 1077387 /lib/ld-2.3.2.so
ntp_start    10554 root   mem   REG     8,1     124884   49255 /lib/csa/libcso.so.6
ntp_start    10554 root   mem   REG     8,1     50783 1077423 /lib/libnss_files-2.3.2.so
ntp_start    10554 root   mem   REG     8,1     86486  587977 /lib/tls/libpthread-0.60.so
ntp_start    10554 root   mem   REG     8,1     11784 1077461 /lib/libtermcap.so.2.0.8
ntp_start    10554 root   mem   REG     8,1     21436   424691
/usr/lib/gconv/gconv-modules.cache
ntp_start    10554 root   mem   REG     8,1   32148976  326576 /usr/lib/locale/locale-archive
...

```


show process pid

show process pid *process-ID* [**file name**] [**cont**] [**detail | vm**]

Syntax Description

<i>process-ID</i>	Identifies a specific process.
file name	Saves output in a separate file.
cont	Repeats the command continuously.
detail	Displays detailed process information, such as virtual memory, and start time.
vm	Displays the process virtual memory.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the details of a process with a specified process ID.

Examples

```
admin:show process pid 3886 vm
```

```
PID TTY      STAT   TIME MAJFL  TRS   DRS  RSS %MEM COMMAND
 3886 ?        S      1:29   0    12  1659 396  0.0
/usr/local/os-services/sbin/arpmond
```

show process search

`show process search regex [file name]`

Syntax Description	<i>regex</i>	Identifies a specific string (regular expression) on which to search.
	<i>file name</i>	Saves output in a separate file.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to search for particular patterns in the output of the operating system-specific process listing.

Examples

```
admin:show process search cisco*
root      10731  7672  0 20:01 pts/0      00:00:00 /bin/bash
/usr/local/platform/cli_scripts/listProcesses.sh -search cisco*
root      10736 10731  0 20:01 pts/0      00:00:00 grep -i cisco*
```

show process user

show process user *name* [*file name*] [*cont*] [*detail* | *vm*]

Syntax Description	<i>name</i>	User identification
	file name	Saves output in a separate file.
	cont	Repeats the command continuously.
	detail	Displays detailed process information, such as virtual memory, and start time.
	vm	Displays the process virtual memory.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display details of processes that share the specified user name. This command displays the parent-child relationship.

Examples

```
admin:show process user admin
  PID  PPID TID %CPU S COMMAND
13342 13341 - 0.0 S cliscript.sh
13423 13342 - 0.4 S java
13689 13423 - 0.0 S \_ listProcesses.s
13694 13689 - 0.0 R \_ ps
13424 13342 - 0.0 S java
13425 13342 - 0.0 S java
13426 13342 - 0.0 S java
13427 13342 - 0.0 S java
13428 13342 - 0.1 S java
13429 13342 - 0.0 S java
13430 13342 - 0.0 S java
...
```

show process using-most cpu

`show process using-most cpu [file name] [cont] [number]`

Syntax Description

file name	Saves output in a separate file.
cont	Repeats the command continuously.
number	Defines the number of processes to display; default is 5.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display a list of the most CPU-intensive processes.

Examples

```
admin: show process using-most cpu
1.4  1  0  S 00:00:33 ./jre/bin/java -Djava.compiler=NONE -cp /usr/StorMan/RaidMan.jar
com.ibm.sysmgmt.raidmgr.agent.ManagementAgent
1.4  1  0  S 00:00:30 /usr/local/cm/bin/amc /usr/local/cm/conf/amcCfg.xml
1.6  0  0  S 00:00:38 /usr/local/cm/bin/cmoninit
3.3  0  0  S 00:01:13 /usr/local/cm/bin/RisDC
6.0  1  0  S 00:02:16 /home/tomcat/tomcat /home/tomcat/tomcatJlauncherConfig.xml
-Djava.library.path=/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i386:/usr/loca
l/thirdparty/java/j2sdk/jre/lib/i386/server:/usr/lib/pgsql:/usr/lib:/usr/local/cm/lib:/:/us
r/local/platform/lib -Xmx512m -Xms256m -DLD_ASSUME_KERNEL
```

show process using-most memory

`show process using-most memory [file name] [cont] [number]`

Syntax Description

file name	Saves output in a separate file.
cont	Repeats the command continuously.
number	Defines the number of processes to display; default is 5.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display a list of the most memory-intensive processes.

Examples

```
admin:show process using-most memory
75564 /usr/local/cm/bin/cmoninit
75600 /usr/local/cm/bin/cmoninit
76428 /usr/local/cm/bin/cmoninit
117412 /usr/local/cm/bin/cmoninit
148832 /home/tomcat/tomcat /home/tomcat/tomcatJlauncherConfig.xml
-Djava.library.path=/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i386:/usr/loca
l/thirdparty/java/j2sdk/jre/lib/i386/server:/usr/lib/pgsql:/usr/lib:/usr/local/cm/lib:./us
r/local/platform/lib -Xmx512m -Xms256m -DLD_ASSUME_KERNEL=2.2.5 -Djava.end
```

show recordedquality

`show recordedquality recid`

Syntax Description	<i>recid</i>	Recording identification number.
---------------------------	--------------	----------------------------------

Command Modes	Admin
----------------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the quality level for a recorded file that is identified by a recording identification number (*recid*). Recording identification numbers can be found in the Recordings Management section of the administrative user interface.

Examples

```
admin:show recordedquality 2009113021152077726258
Highest Detail, Best Motion: 1080p
```

show refreshrate

show refreshrate

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the default spacing between IDRs in the video streams.

Examples

```
admin:show refreshrate
IDRs are spaced 15 seconds apart
```

show registry

show registry *system component [name] [page]*

Syntax Description

<i>system</i>	The registry system name
<i>component</i>	The registry component name
<i>name</i>	The name of the registry parameter
page	Causes output to pause, displaying one page at a time.

Command Modes

Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines

Use this command to display registry contents.

Examples

```
admin:show registry cm dbl/sdi
system = cm
  component = dbl/sdi
    tracelevel=127
    enable=1
    outputdebugstringflag=0
    numminutes=1440
    tracefile=/var/log/active/cm/trace/dbl/sdi/dbl.log
    numfiles=250
    numlines=10000
```


show snmp trapdests

show snmp trapdests

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the configured Simple Network Management Protocol (SNMP) trap destinations.

Examples

```
admin:show snmp trapdests
1) Host = 64.101.180.49:162 (Version 3)

   Version 3 Options:
     User = TimTrap                PW = authpriv
     Level = authnopriv            hash = md5
     EngineID = 0x80001f8803001a6406bc16

2) Host = 64.101.180.49 (Version 3)

   Version 3 Options:
     User = TimTrap2               PW = authpriv
     Level = authnopriv            hash = md5
     EngineID = 0x80001f8803001a6406bc16
```

show snmp users

show snmp users

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the configured Simple Network Management Protocol (SNMP) users and communities.

Examples

admin: **show snmp users**

- | | |
|---------------------|--------------|
| 1) Username: admin | Version: v3 |
| Level: AuthNoPriv | Mode: RW |
| 2) Username: tim | Version: v3 |
| Level: AuthNoPriv | Mode: RW |
| 3) Community: TimRO | Version: v2c |
| Level: n/a | Mode: R |
| 4) Community: TimRW | Version: v2c |
| Level: n/a | Mode: RW |

show statistics dialnumber

`show statistics dialnumber dialnumber`

Syntax Description

<i>dialnumber</i>	The dial number where statistics will be sent.
-------------------	--

Command Modes

Admin

Command History

Release	Modifications
1.8	This command was first documented.

Usage Guidelines

Use this command to display statistics for a video session at the supplied dial number

Examples

`admin:show statistics dialnumber 15555`

show stats io

`show stats [file name] [kilo | detail] [page]`

Syntax Description	file <i>name</i>	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
	kilo	Shows details statistics in kilobytes.
	detail	Shows detailed statistics of every available device on the system. This option overrides kilo option.
	page	Pauses output.

Command Modes	Admin
---------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display system I/O statistics of the device.
------------------	--

Examples	<code>admin:show stats io kilo file statsiodump</code>
----------	--

show status

show status

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display basic platform status information.

Examples

```
admin:show status
Host Name      : tsbu-ctrs-dev6
Date           : Tue Dec 1, 2009 20:47:30
Time Zone      : Coordinated Universal Time (Etc/UTC)
Locale         : en_US.UTF-8
Product Ver    : 2.0.0.0-44
Platform Ver   : 2.0.0.1-1
License MAC    : 00237D62B15A

Uptime:
 20:47:31 up 8 days,  1:04,  3 users,  load average: 0.33, 0.35, 0.28

CPU Idle:
 IOWAIT: 00.00%   IRQ: 00.00%   Soft: 00.00%   Intr/sec: 1034.34
 % System: 00.00%   User: 00.00%

Memory Total:      4147676K
   Free:           2954080K
   Used:           1193596K
   Cached:         523412K
   Shared:          0K
   Buffers:        112808K

Disk/active        Total          Free          Used
Disk/inactive     34701384K    31991040K    2357800K (7%)
Disk/inactive     34701352K    32444668K    1904140K (6%)
Disk/logging      705460380K  650848468K    18776524K (3%)

   Buffers:        68972K

Disk/active        Total          Free          Used
Disk/active       4032124K     2117232K     1710064K (45%)
Disk/inactive     4032092K     1857492K     1969776K (52%)
Disk/logging      70438620K   63214064K   3646484K (6%)
```

show syslog facility

show syslog facility

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog default facility used for logging messages.

Examples

```
admin:show syslog facility
Using the local1 facility
```

show syslog heartbeat facility

show syslog heartbeat facility

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog heartbeat facility used for heartbeat messages.

Examples

```
admin:show syslog heartbeat facility
Using the local1 facility
```

show syslog heartbeat interval

show syslog heartbeat interval

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog heartbeat interval in minutes.



Note Zero (0) indicates that the syslog heartbeat interval is disabled.

Examples

```
admin:show syslog heartbeat interval
Using the 0 minute interval
```


show syslog heartbeat msg

show syslog heartbeat msg

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog heartbeat message text.

Examples

```
admin:show syslog heartbeat msg
```

Using the "Syslog heartbeat message" message

show syslog heartbeat severity

show syslog heartbeat severity

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the severity used for syslog heartbeat messages.

Examples

```
admin:show syslog heartbeat severity
Using the 7 severity
```

show syslog timezone

show syslog timezone

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog timezone setting as either local time or GMT/UTC.

Examples

```
admin:show syslog timezone
Using gmt timezone
```

show syslog version

show syslog version

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the syslog output version as either CiscoLog v1.1 or IETF/RFC Syslog Protocol Version 1.

Examples

```
admin:show syslog version
Version is 0, the CiscoLog v1.1 format
```

show tech all

show tech all [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display output from all of the **show tech** commands simultaneously.



Note This command may produce a large output of data.

Examples

```
admin:show tech all file techdump
```

show tech network all

show tech network all [page] [file name] [search text]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.
	search text	Searches output for a particular text string as indicated by text. Search is case insensitive.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all of the network-related information associated with the node.

Examples

```
admin:show tech network all
----- show platform network -----

Ethernet Interfaces:
1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:5a brd ff:ff:ff:ff:ff:ff
   inet 172.28.70.109/22 brd 172.28.71.255 scope global eth0
   inet6 fe80::223:7dff:fe62:b15a/64 scope link
       valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:58 brd ff:ff:ff:ff:ff:ff
4: sit0: <NOARP> mtu 1480 qdisc noop
   link/sit 0.0.0.0 brd 0.0.0.0

Settings for eth0:
   Supported ports: [ TP ]
   Supported link modes:   10baseT/Half 10baseT/Full
                           100baseT/Half 100baseT/Full
                           1000baseT/Full
   Supports auto-negotiation: Yes
   Advertised link modes:  10baseT/Half 10baseT/Full
                           100baseT/Half 100baseT/Full
                           1000baseT/Full
   Advertised auto-negotiation: Yes
   Speed: 1000Mb/s
...

```

show tech network hosts

`show tech network hosts [page] [file name] [search text]`

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.
search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display host-related aspects of the device's network.

Examples

```
admin:show tech network hosts
----- show platform network -----

/etc/hosts File:
#This file was generated by the /etc/hosts cluster manager.
#It is automatically updated as nodes are added, changed, removed from the cluster.

127.0.0.1 localhost
::1 localhost
172.28.70.109 tsbu-ctrs-dev6.cisco.com tsbu-ctrs-dev6
```

show tech network interfaces

show tech network interfaces [*page*] [*file name*] [*search text*]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.
	search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display interface-related aspects of the device's network.

Examples

```
admin:show tech network interfaces
----- show platform network -----

Ethernet Interfaces:
1: lo: <LOOPBACK,UP> mtu 16436 qdisc noqueue
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
   inet 127.0.0.1/8 brd 127.255.255.255 scope host lo
   inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:5a brd ff:ff:ff:ff:ff:ff
   inet 172.28.70.109/22 brd 172.28.71.255 scope global eth0
   inet6 fe80::223:7dff:fe62:b15a/64 scope link
       valid_lft forever preferred_lft forever
3: eth1: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
   link/ether 00:23:7d:62:b1:58 brd ff:ff:ff:ff:ff:ff
4: sit0: <NOARP> mtu 1480 qdisc noop
   link/sit 0.0.0.0 brd 0.0.0.0

Settings for eth0:
  Supported ports: [ TP ]
  Supported link modes:   10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Supports auto-negotiation: Yes
  Advertised link modes:  10baseT/Half 10baseT/Full
                        100baseT/Half 100baseT/Full
                        1000baseT/Full
  Advertised auto-negotiation: Yes
  Speed: 1000Mb/s
...

```


show tech network resolv

show tech network resolv [**page**] [**file name**] [**search text**]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.
search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display specific information from the resolv.conf file for this device.

Examples

```
admin:show tech network resolv
----- show platform network -----

/etc/resolv.conf file
search cisco.com
nameserver 171.70.168.183
```

show tech network routes

`show tech network routes [page] [file name] [search text]`

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.
	search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.

Command Modes	Admin
---------------	-------

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines	Use this command to display specific route-related information for this device.
------------------	---

Examples

```
admin:show tech network routes
----- show platform network -----

Routes:
172.28.68.0/22 dev eth0 proto kernel scope link src 172.28.70.109
169.254.0.0/16 dev eth0 scope link
default via 172.28.68.1 dev eth0
```

show tech network sockets

show tech network sockets [*page*] [*file name*] [*search text*] [*numeric*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.
search text	Searches output for a particular text string as indicated by <i>text</i> . Search is case insensitive.
numeric	Displays ports in numeric format

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the list of open sockets. With the **numeric** option, you can show the numerical addresses of the ports instead of determining symbolic hosts.

Examples

```
admin:show tech network sockets numeric
----- show platform network -----

Network Connections:
Active Internet connections (w/o servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State
tcp        0      0 localhost:9000          localhost:32789        ESTABLISHED
tcp        0      0 localhost:32789        localhost:9000         ESTABLISHED
tcp        0      48 tsbu-kht9.cisco.com:22 sjc-tifox-8712.cisco.c:3445 ESTABLISHED
udp        0      0 localhost:32768        localhost:514          ESTABLISHED

Active UNIX domain sockets (w/o servers)
Proto RefCnt Flags   Type           State         I-Node Path
unix  2      [ ]     DGRAM          16220
/usr/local/platform/conf/clm/unix_socket
unix  2      [ ]     DGRAM          8434  @/var/run/hal/hotplug_socket
unix  2      [ ]     DGRAM          3352  @udev
unix  13     [ ]     DGRAM          6581  /dev/log
unix  3      [ ]     DGRAM          6600  /dev/log2
unix  2      [ ]     DGRAM          2049109
unix  3      [ ]     STREAM        CONNECTED    2043836
unix  3      [ ]     STREAM        CONNECTED    2043835
unix  2      [ ]     DGRAM          252061
unix  2      [ ]     DGRAM          251977
unix  2      [ ]     DGRAM          251967
unix  2      [ ]     DGRAM          16316
unix  2      [ ]     DGRAM          16222
...
```

show tech runtime all

show tech runtime all [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display all of the **show tech runtime** information simultaneously, including environment variables, disk, memory and CPU.

Examples

```
admin:show tech runtime all
----- show platform runtime -----

Environment variables:
TOMCAT_HOME=/usr/local/thirdparty/jakarta-tomcat
SERVER_LOCALE=en_us.utf8
HOSTNAME=tsbu-ctrs-dev6
SR_AGT_CONF_DIR=/usr/local/Snmpri/conf
SHELL=/usr/local/platform/bin/cliscript.sh
TERM=vt100
CATALINA_HOME=/usr/local/thirdparty/jakarta-tomcat
INFORMIXTMP=/usr/local/ctis/db/informix/tmp
...

The disk usage:
Filesystem      Size  Used Avail Use% Mounted on
/dev/cciss/c0d0p2  34G  2.3G   31G   7% /
/dev/cciss/c0d0p1  34G  1.9G   31G   6% /partB
/dev/cciss/c0d1p1 673G  18G  621G   3% /common
none            2.0G   0    2.0G   0% /dev/shm
...

Total memory (RAM+swap) usage (in KB):
          total      used      free    shared  buffers  cached
Mem:      4147676    1198220    2949456         0    112828    524952
-/+ buffers/cache:    560440    3587236
Swap:      2048248         0    2048248
Total:    6195924    1198220    4997704

The processor usage :
top - 21:53:33 up 8 days,  2:10,  3 users,  load average: 0.30, 0.32, 0.27
Tasks: 138 total,  1 running, 137 sleeping,   0 stopped,   0 zombie
...
```

show tech runtime cpu

show tech runtime cpu [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the CPU usage at the time the command is executed.

Examples

```
admin:show tech runtime cpu
----- show platform runtime -----

The processor usage :
top - 21:59:15 up 8 days,  2:16,  3 users,  load average: 0.31, 0.31, 0.27
Tasks: 137 total,  1 running, 136 sleeping,  0 stopped,  0 zombie
Cpu(s):  0.1% us,  0.0% sy,  0.0% ni, 99.9% id,  0.0% wa,  0.0% hi,  0.0% si
Mem:   4147676k total, 1197636k used,  2950040k free,  112828k buffers
Swap:  2048248k total,    0k used,  2048248k free,  524952k cached

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM    TIME+  COMMAND
    1 root        16   0   2552   652   560  S   0.0   0.0    0:01.48  init
    2 root        RT    0     0     0     0  S   0.0   0.0    0:00.09  migration/0
    3 root        34  19     0     0     0  S   0.0   0.0    0:00.01  ksoftirqd/0
    4 root        RT    0     0     0     0  S   0.0   0.0    0:00.03  migration/1
    5 root        34  19     0     0     0  S   0.0   0.0    0:00.00  ksoftirqd/1
    6 root        RT    0     0     0     0  S   0.0   0.0    0:00.02  migration/2
    7 root        34  19     0     0     0  S   0.0   0.0    0:00.01  ksoftirqd/2
    8 root        RT    0     0     0     0  S   0.0   0.0    0:00.01  migration/3
    9 root        34  19     0     0     0  S   0.0   0.0    0:00.00  ksoftirqd/3
   10 root        RT    0     0     0     0  S   0.0   0.0    0:00.02  migration/4
   11 root        34  19     0     0     0  S   0.0   0.0    0:00.00  ksoftirqd/4
   12 root        RT    0     0     0     0  S   0.0   0.0    0:00.01  migration/5
   13 root        34  19     0     0     0  S   0.0   0.0    0:00.00  ksoftirqd/5
   14 root        RT    0     0     0     0  S   0.0   0.0    0:00.01  migration/6
   15 root        34  19     0     0     0  S   0.0   0.0    0:00.00  ksoftirqd/6
   16 root        RT    0     0     0     0  S   0.0   0.0    0:00.03  migration/7
   17 root        34  19     0     0     0  S   0.0   0.0    0:00.01  ksoftirqd/7
```

show tech runtime disk

show tech runtime disk [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the disk usage of the system.

Examples

```
admin:show tech runtime disk
----- show platform runtime -----

The disk usage:
Filesystem      Size  Used Avail Use% Mounted on
/dev/cciss/c0d0p2  34G  2.3G   31G   7% /
/dev/cciss/c0d0p1  34G  1.9G   31G   6% /partB
/dev/cciss/c0d1p1 673G  18G  621G   3% /common
none            2.0G   0   2.0G   0% /dev/shm
/dev/cciss/c0d0p3 251M  11M  228M   5% /grub
/dev/cciss/c0d0p6  67G  85M   63G   1% /spare
/dev/cciss/c0d1p1 673G  18G  621G   3% /common/media
```

show tech runtime env

show tech runtime env [*page*] [*file name*]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display runtime environment variables.

Examples

```
admin:show tech runtime env
Environment variables:
TOMCAT_HOME=/usr/local/thirdparty/jakarta-tomcat
SERVER_LOCALE=en_us.utf8
HOSTNAME=tsbu-ctrs-dev6
SR_AGT_CONF_DIR=/usr/local/Snmpri/conf
SHELL=/usr/local/platform/bin/cliscript.sh
TERM=vt100
CATALINA_HOME=/usr/local/thirdparty/jakarta-tomcat
INFORMIXTMP=/usr/local/ctis/db/informix/tmp
HISTSIZE=1000
SSH_CLIENT=::ffff:171.70.13.148 4385 22
INFORMIXDIR=/usr/local/ctis/db/informix
JBOSS_HOME=/usr/local/thirdparty/jboss
SSH_TTY=/dev/pts/0
CLIENT_LOCALE=en_us.utf8
TOMCAT_CLASSPATH=/usr/local/thirdparty/java/bcprov-jdk15-138.jar:/usr/local/platform/jar/x
alan.jar:/usr/local/platform/jar/certMgmt.jar:/usr/local/platform/jar/certMonitor.jar:/usr
/local/platform/jar/Iproduct.jar:/usr/local/platform/jar/Ihardware.jar:/usr/local/platform
/jar/CiscoIPSec.jar:/usr/local/platform/jar/ciscoCmd.jar:/usr/local/platform/jar/ciscoComm
on.jar:/usr/local/platform/jar/platform-api.jar:/common/download:/usr/local/platform/appli
cation_locale/platform-api:/usr/local/platform/application_locale/cmplatform:/usr/local/cm
/jar/commons-logging.jar
USER=admin
LS_COLORS=no=00:fi=00:di=01;34:ln=01;36:pi=40;33:so=01;35:bd=40;33;01:cd=40;33;01:or=01;05
;37;41:mi=01;05;37;41:ex=01;32:*.cmd=01;32:*.exe=01;32:*.com=01;32:*.btm=01;32:*.bat=01;32
:*.sh=01;32:*.csh=01;32:*.tar=01;31:*.tgz=01;31:*.arj=01;31:*.taz=01;31:*.lzh=01;31:*.zip=
01;31:*.z=01;31:*.Z=01;31:*.gz=01;31:*.bz2=01;31:*.bz=01;31:*.tz=01;31:*.rpm=01;31:*.cpio=
01;31:*.jpg=01;35:*.gif=01;35:*.bmp=01;35:*.xbm=01;35:*.xpm=01;35:*.png=01;35:*.tif=01;35:
LD_LIBRARY_PATH=/usr/local/thirdparty/java/jdk1.5.0_17/jre/lib/i386/server:/usr/local/thir
dparty/java/jdk1.5.0_17/jre/lib/i386:/usr/local/thirdparty/java/jdk1.5.0_17/jre/..lib/i38
6:/usr/local/lib:/usr/local/thirdparty/java/j2sdk/jre/lib/i386:/usr/local/thirdparty/java/
...
```

show tech runtime memory

show tech runtime memory [*page*] [*file name*]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display runtime memory information.

Examples

```
admin:show tech runtime memory
----- show platform runtime -----

Total memory (RAM+swap) usage (in KB):
      total      used      free      shared      buffers      cached
Mem:    4147676  1199348  2948328         0      112844      525716
-/+ buffers/cache:    560788  3586888
Swap:    2048248         0      2048248
Total:   6195924  1199348  4996576
```


show tech system all

show tech system all [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display all of the information associated with **show tech system** commands simultaneously, including bus, hardware, host, kernel, software and tools.

Examples

```
admin:show tech system all
----- show platform system -----

Host related info:

Machine Name: tsbu-ctrs-dev6.cisco.com
Tue Dec 1 22:10:31 UTC 2009 - up for 8 days 2:27
Locale LANG=en_US.UTF-8

Software Release Version: 2.0.0.0-44
Platform Release Version: 2.0.0.1-1

Hardware Model: 7845H2
Processors      : 2
Type           : Family: Xeon
...

software: system versions
java version "1.5.0_17"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_17-b04)
...

Tomcat "6.0.20-0"

Linux Kernel modules loaded:
Module          Size Used by
ipt_REDIRECT    6209 2
deflate         7617 0
...
```

show tech system bus

show tech system bus [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display bus-related system information.

Examples

```
admin: show tech system bus
----- show platform system -----

Hardware: pci bus devices summary
00:00.0 Host bridge: Intel Corporation 5000P Chipset Memory Controller Hub (rev b1)
00:02.0 PCI bridge: Intel Corporation 5000 Series Chipset PCI Express x4 Port 2 (rev b1)
00:03.0 PCI bridge: Intel Corporation 5000 Series Chipset PCI Express x4 Port 3 (rev b1)
00:10.0 Host bridge: Intel Corporation 5000 Series Chipset FSB Registers (rev b1)
00:1c.0 PCI bridge: Intel Corporation 631xESB/632xESB/3100 Chipset PCI Express Root Port 1
(rev 09)
00:1f.0 ISA bridge: Intel Corporation 631xESB/632xESB/3100 Chipset LPC Interface
Controller (rev 09)
00:1f.1 IDE interface: Intel Corporation 631xESB/632xESB IDE Controller (rev 09)
01:03.0 VGA compatible controller: ATI Technologies Inc ES1000 (rev 02)
01:04.0 System peripheral: Compaq Computer Corporation Integrated Lights Out Controller
(rev 03)
01:04.4 USB Controller: Hewlett-Packard Company Proliant iLO2 virtual USB controller
01:04.6 IPMI SMIC interface: Hewlett-Packard Company Proliant iLO2 virtual UART
02:00.0 PCI bridge: Broadcom EPB PCI-Express to PCI-X Bridge (rev c3)
03:00.0 Ethernet controller: Broadcom Corporation NetXtreme II BCM5708 Gigabit Ethernet
(rev 12)
04:00.0 PCI bridge: Broadcom EPB PCI-Express to PCI-X Bridge (rev c3)
05:00.0 Ethernet controller: Broadcom Corporation NetXtreme II BCM5708 Gigabit Ethernet
(rev 12)
06:00.0 RAID bus controller: Hewlett-Packard Company Smart Array Controller (rev 04)
09:00.0 PCI bridge: Intel Corporation 6311ESB/6321ESB PCI Express Upstream Port (rev 01)

Hardware: USB bus devices summary
Bus 006 Device 001: ID 0000:0000
Bus 005 Device 003: ID 03f0:1327 Hewlett-Packard
Bus 005 Device 002: ID 03f0:1027 Hewlett-Packard

Hardware: bus devices detail
...
```

show tech system hardware

`show tech system hardware [page] [file name]`

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display hardware-related system information.

Examples

```
admin:show tech system hardware
----- show platform system -----

Hardware Model: 7845H2
Processors      : 2
Type           : Family: Xeon
Speed          : 2333 MHz
Memory         : 4096 MB
```

show tech system host

show tech system host [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display host-related system information.

Examples

```
admin:show tech system host
----- show platform system -----

Host related info:

Machine Name: tsbu-ctrs-dev6.cisco.com
Tue Dec 1 22:18:35 UTC 2009 - up for 8 days 2:35
Locale LANG=en_US.UTF-8
```

show tech system kernel modules

show tech system kernel modules [page] [file name]

Syntax Description	file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The name option cannot contain a period (.).
	page	Pauses output.

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the kernel modules installed.

Examples

```
admin:show tech system kernel modules
----- show platform system -----

Linux Kernel modules loaded:
Module           Size  Used by
ipt_REDIRECT     6209  2
deflate          7617  0
zlib_deflate     24793  1 deflate
twofish          41025  0
serpent          17729  0
aes              32641  0
blowfish         14273  0
des              15809  0
sha256           13377  0
crypto_null      6337  0
af_key           34513  2
mptctl           37573  4
mptbase          68257  1 mptctl
sg               38369  0
hpilo            13836  6
ipmi_si          39904  2
ipmi_devintf     13448  4
ipmi_msghandler  33644  2 ipmi_si, ipmi_devintf
i2c_dev          14529  0
i2c_core         26305  1 i2c_dev
iptables_nat     27613  2 ipt_REDIRECT
ipt_LOG          10177  1
ipt_limit        6465  2
ipt_state        5953  2
ip_contrack      46085  2 iptable_nat, ipt_state
iptables_filter  6977  1
ip_tables        23105  6
ipt_REDIRECT, iptable_nat, ipt_LOG, ipt_limit, ipt_state, iptable_filter
...
```

show tech system software

show tech system software [page] [file name]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/name.txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display system-related software information.

Examples

```
admin:show tech system software
----- show platform system -----

Software Release Version: 2.0.0.0-44
Platform Release Version: 2.0.0.1-1
```

show tech system tools

show tech system tools [*page*] [*file name*]

Syntax Description

file name	Saves output information to a file. The file is saved in the following format: platform/cli/ <i>name</i> .txt. The <i>name</i> option cannot contain a period (.).
page	Pauses output.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display system-related tools information.

Examples

```
admin:show tech system tools
----- show platform system -----

software: system versions
java version "1.5.0_17"
Java(TM) 2 Runtime Environment, Standard Edition (build 1.5.0_17-b04)
Java HotSpot(TM) Server VM (build 1.5.0_17-b04, mixed mode)

Tomcat "6.0.20-0"
```

show timezone

show timezone {config | list}

Syntax Description

config	Displays the current timezone setting.
list	Lists all available timezones.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display the current timezone settings or to display a list of all available timezones in long format.



Note

The first value is the timezone index, which may be used to set a new timezone using the set timezone command. You can also use the time zone name.

Examples

```
admin:show timezone config
Current timezone: Coordinated Universal Time
```

```
admin:show timezone list

 0 - (GMT-12:00) Eniwetok, Kwajalein
 1 - (GMT-11:00) Midway Island, Samoa
 2 - (GMT-10:00) Hawaii
```

```
Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
Current timezone: (GMT+10:00) Canberra, Melbourne, Sydney
```

The numbers in first column 0, 1, 2 represent index that can be used in set timezone command

```
 0 - (GMT-12:00) Eniwetok, Kwajalein
 1 - (GMT-11:00) Midway Island, Samoa
 2 - (GMT-10:00) Hawaii
 3 - (GMT-09:00) Alaska
 4 - (GMT-08:00) Pacific Time (US & Canada)
 5 - (GMT-07:00) Arizona
 6 - (GMT-07:00) Mountain Time (US & Canada)
 7 - (GMT-06:00) Central Time (US & Canada)
 8 - (GMT-06:00) Central America
 9 - (GMT-06:00) Saskatchewan
10 - (GMT-06:00) Mexico City
...
```


show users

`show users`

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the users registered on this device.

Examples

```
admin:show users

Users:
Guest - Anonymous
```

show version

`show version {active | inactive}`

Syntax Description

active	Displays the version number of the software on the active partition.
inactive	Displays the version number of the software on the inactive partition.

Command Modes

Admin

Command History

Release	Modifications
1.6	This command was first documented.

Usage Guidelines

Use this command to display information about the version number of the software on the inactive or active partition.

Examples

```
admin:show version active
Active Master Version: 1.1.1.0-30
```

```
Active Version Installed Software Options:
No Installed Software Options Found.
```

```
admin:show version inactive
Inactive Master Version: 1.6.0.0-213
```

```
Inactive Version Installed Software Options:
No Installed Software Options Found.
```

show videoquality

show videoquality

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the default video quality.

Examples

```
admin:show videoquality
Video Quality: Highest Detail, Best Motion: 1080p
```

show workingdir

show workingdir

Syntax Description None

Command Modes Admin

Command History	Release	Modifications
	1.6	This command was first documented.

Usage Guidelines Use this command to display the current working directories for activelog, inactivelog, and the TFTP system directories.

Examples

```
admin:show workingdir

activelog : <not set, using default path>
inactivelog : <not set, using default path>
tftp : <not set, using default path>
```