
CLI Changes in This Release

In this section:

- New CLI in 6.1.0R1
- New CLI in 6.1.0R0 (SBC SWe Cloud related)
- Deprecated CLI



Info

Default values are enclosed in square brackets [].

New CLI in 6.1.0R1

SBX-250 License Usage for Call Transfers

SBX-322/SBX-51758 SSH Public Key Client Authentication

SBX-29117 T.140 Codec Support

SBX-30771 SBC 5xx0/7000 Support of SRTP Using 256-bit Cypher Suites

SBX-31291/SBX-50790 Dynamic Black List (DBL) Improvement for New Trigger Types

SBX-32119 Automatically Log Traceroutes for IP Signaling Outages

SBX-33291 Asymmetric PRACK Inter-working

SBX-35996 RTCP Multiplexing to Non-RTCP Multiplexing Inter-working

SBX-45238 Integrate Library Memory Usage with SBC

SBX-45241 Infrastructure to Migrate on/off Licenses to the Count Based License on the SBC

SBX-45747 Live Monitor for Licensing

SBX-47111 Call Admission Control (CAC) Support for Non-Registered Endpoints

SBX-50811 Add Ability to Change Dry-up Timer Without Disabling SIP Signaling Port

SBX-53508 Setting the Domain Name in URI Hostport

SBX-53513 CPC Parameter Settings in PAI SIP-URI

SBX-55805 Surrogate Registration Redundancy

SBX-56811 Configuring Child Numbers in Full Digits per AoR in Surrogate Registration Profile

SBX-56813 Enhance Credential Determination Logic for Surrogate Registration

New CLI in 6.1.0R0 (SBC SWe Cloud related)

SBX-29097 Support for N:1 HA Architecture for Cloud SBC

The following command is enhanced to include Metavar Data and Call/Registration data.

```
> show status/table system standbySyncStatus
```

SBX-30540 Manual Query through CLI for DNS SRV, AAAA, A, and ENUM NAPTR

This feature pertains to providing the existing SBC DNS features to the SBC SWe Cloud platform:

- DNS queries using TCP transport
- UDP to TCP fallback for the large DNS response
- DNS Cache Management - Removing cached records and changing Time To Live (TTL)
- Manual DNS query
- Alarms for loss of DNS service

SBX-47529 D-SBC with Third Party MRF as Transcoder

SBX-49461/SBX-50087/SBX-50082 Support Playing Compressed Tone Files in Cloud SBC

This feature includes the following additions.

1. Added toneCodecEntry to Media profile to define the unique identifier for the codec entry for this profile.

```
% set profiles media toneCodecEntry <toneCodecEntry name>
  codec <amrwbBandwidthEfficient | evrc | evrc0 | evrcb | evrcb0 | g711>
  law <ALaw | ULaw>
  codingRate <AMR-0-6.6 | AMR-1-8.85 | AMR-2-12.65 | AMR-3-14.25 | AMR-4-15.85 |
AMR-5-18.25 | AMR-6-19.85 | AMR-7-23.05 | AMR-8-23.85>
```

2. A Tones as Announcements profile is added to configure the announcement file to play Local Ringback Tone (LRBT) for each codec entry:

```
% set profiles media toneAsAnnouncementProfile
  toneType <defBusy | defCallWaiting1 | defCallWaiting2 | defCallWaiting3 |
defCallWaiting4 | defCpeAlerting | defDial | defReorder | defRing | defSit1 | defSit2 |
defSit3 | fccBusy | fccDial | fccRingback>
  codecType <The name of the codec entry>
  segmentId <unsignedShort>
```

3. The flag announcementBasedTones flag is added to Tones and Announcements profile to generate ringback tones without using DSP resources.

```
% set profiles media toneAndAnnouncementProfile <toneAndAnnouncementProfile name>
localRingBackTone signalingTonePackageState enable flags announcementBasedTones <disable |
enable>
```

SBX-50166 Extend Policy Server to use Alternate IP Address in Cloud

The IP Interface Group parameter, ipVar, is added to the Policy Server globalConfig to specify a metavariable name (from the PSX's metavariable table) used to provide an IP address for the SBC SWe Cloud for connecting to the PSX.

```
% set system policyServer globalConfig type <ip | mgmt> addressContext <addressContext>
ipInterfaceGroup <ipInterfaceGroup_name> ipVar <IP Variable Name>
```

SBX-51511 Support Intra-SBC VNFC Communication on Packet Ports by Assigning an IP Interface Group

The SBC is enhanced to support configuring intra-cluster VNFC communication interfaces for the Load Balancing Service using the clusterAdmin configuration. The CLI syntax for non-Cloud and Cloud configurations is shown below. The parameters that display are dependent upon the clusterComm type setting: ip or mgmt.

SBC 5xx0/7000/SWe Syntax

clusterComm type = ip

```
% set system clusterAdmin clusterComm
addressContext <addressContext name>
pktIpAddress
type <ip | mgmt>
```

clusterComm type = mgmt

```
% set system clusterAdmin clusterComm
  mgmtInterfaceGroup mgmtGroup
  mgmtIpAddress <IP address>
type <ip | mgmt>
```

SBC SWe Cloud Syntax

clusterComm type = ip

```
% set system clusterAdmin clusterComm
addressContext <addressContext name>
ipInterfaceGroup <IPIG name>
pktIpVar <metaVariable>
type <ip | mgmt>
```

clusterComm type = mgmt

```
% set system clusterAdmin clusterComm
  mgmtInterfaceGroup mgmtGroup
  mgmtIpVar <metaVariable>
  type <ip | mgmt>
```

SBX-53153 Media IP Interface Group Name and TCP Keep Alive Parameters Support for IMS LI

The SBC is enhanced to use different IP interface groups for signaling and media interception with the LI CDC configuration field `mediaIpInterfaceGroupName`. Additionally, the SBC is enhanced to support the following TCP parameters to configure IMS LI:

- kaTime
- kaInterval
- kaProbe

```
% set addressContext <default> intercept callDataChannel <callDataChannel_name>
mediaIpInterfaceGroupName <IP interface group name>

% set addressContext <addressContext name> intercept callDataChannel <CDC name> mediationServer
<mediationServer name> media tcp
  kaInterval <5-60 seconds>
  kaProbe <4-8 seconds>
  kaTime <60-7200 seconds>
```

SBX-54346 SBC Session License for Remote PSX Access / SBX-54635 MRF Session License

This feature implements several CLI changes in support of SBC SWe Cloud local and network licensing.

To configure the license mode:

```
% set system licenseMode mode < legacy | local | network>
```

To specify the licenses the SBC SWe Cloud application requests when network licensing mode is active:

```
% set system licenseRequired
Possible completions:
  DSP-AMRNB  DSP-AMRWB  DSP-EVRC  DSP-G722  ENCRYPT  POL-BASE  SBC-1X10GMP
  SBC-4X1GMP  SBC-LI  SBC-MRF-RTU
  SBC-MSRP  SBC-NICEREC  SBC-POL-E911  SBC-POL-ENUM  SBC-POL-RTU  SBC-PSX-RTU  SBC-RTU
  SBC-SIP-I  SBC-SIP323  SBC-SIPREC
  SBC-VIDEO  SRTP  SWE-INSTANCE  VDSP-RTU
```

To load the license file:

```

> request system admin vsbcSystem license loadLicenseFile fileName sonus.xml bundleName b2
This command will load the license file kept in /opt/sonus/external path. Do you want to continue?
[yes,no] yes
result success
reason Successfully loaded license file

```

To view License Local Bundle Information:

```

> show table system licenseLocalBundleInfo

ACTIVE
BUNDLE          LICENSE PURCHASE LINE
EXPIRATION USAGE          FINGER LICENSE
NAME  FEATURE NAME  ID      ORDER ID  ID  GENERATION DATE          INSTALL DATE
DATE    LIMIT  FINGER PRINT1          PRINT2  MODE
-----
b2      SBC-PSX-RTU  53780   723780   15013476549240  2017-07-29T12:00:54.0+0000
2017-08-07T04:37:38-00:00  2018-01-25Z  100    2000-*1XH6J753HC8RUL8          Local

```

To view License Server details:

```

> show table system licenseServer

SERVER
NAME  PRIORITY  SERVER ADDRESS
-----
SLS   1         fd00:0010:6b50:4d20:0000:0000:0000:0079

```

To view License Server statistics details:

```

> show table system licenseServerStatus

          LICENSE
          GRANT  GRANT  REJECT
SERVER IS  REQUEST LICENSE PARTIAL LICENSE
NAME CURRENT MESSAGES MESSAGES MESSAGES MESSAGES MESSAGES LICENSE
ACTIVE SENT  RECEIVED RECEIVED RECEIVED RECEIVED ERRORS
-----
SLS   y    2177    18     0     0     0     4318

```

To view license details:

```

> show table system licenseInfo

          LICENSE          USAGE          IN
FEATURE NAME  ID      EXPIRATION DATE  LIMIT  SOURCE  USE
-----
SBC-PSX-RTU  0000    2017-12-12-05:00  10    Network  0

```

Deprecated CLI

Table 1: Deprecated CLI

| Command / CLI Object Impacted | Deprecated CLI | Effective Release |
|--|--|-------------------|
| show table systemCongestionStatus | systemCongestionMemLevel | 4.2.6R0 |
| set system congestion | "static" option | 4.2.6R0 |
| set system congestion adaptive MCLevel | "mc0" level | 4.2.6R0 |
| set profiles system overloadProfile | staticMode parameter | 4.2.6R0 |
| set profiles system overloadProfile | "memory" option for setDuration, clearDuration, setThreshold, clearThreshold configurations | 4.2.6R0 |
| set system admin | managementIpVersion | 5.0.0R0 |
| request system admin command | commitSoftwareUpgrade | 5.0.0R0 |
| show status system serverSoftwareUpgradeStatus | "committed" option | 5.0.0R0 |
| show status addressContext <addressContext name> sipSubCountStatistics | sipSubCountTotal | 5.0.5R0 |
| request system admin <system Name> revertSoftwareUpgrade | revertSoftwareUpgrade | 5.0.0R0 |
| request system admin <system Name> commitSoftwareUpgrade | commitSoftwareUpgrade | 5.0.0R0 |
| H.323 IP Signaling Profile commonIpAttributes flags | <ul style="list-style-type: none"> • addPChargingFuncAddr • disableMediaLockDown • fromHeaderAnonymisation • sendRTCPBandwidthInfo • sendRtcpPortInSdp • terminalPortabilityInterworking • usePsxRouteForRegisteredInvite | 5.1.0R0 |
| Packet Service Profile | mediaLockDownForPassThrough | 5.1.0R0 |
| interceptCallDataChannelStatistics | <ul style="list-style-type: none"> • primaryTcpChannelStatus. • secondaryTcpChannelStatus. • DSRSuccess • DSRFailures | 5.1.0R0 |

