1 Product Compatibility

Major compatibility specifications:

1.1 Standard Edition

- Hardware Requirements:
  - Quad-core CPU
  - 1 GB of RAM (2 GB recommended)
  - 60 GB of available disk space
- Operating Systems Supported:
  - RedHat® Enterprise Linux 5.x 64-bit (x86_64)
  - CentOS 5.x 64-bit (x86_64). Tested on CentOS 5.7
- Operating Systems NOT supported:
  - IA-64 version of the above operating systems.
  - 32 bit version of the above operating systems
  - All other operating systems
- SIP 3261 compliant endpoints using UDP or TCP as the transport protocol (TLS not supported)
2 Acquiring a License

Lyra AMD for Asterisk is licensed on a per call analysis port basis. The license is host locked. To obtain a full license (host-locked), obtain the MAC (Media Access Control) address of the system and use the Installation ID that came with the software to generate a license file. Please follow this URL:

- http://www.sangoma.com/support/netborder-software-registration/

To get the physical address of the Ethernet adapter, type the following command: “ipconfig”. Look for the Physical Address item. A MAC address is in the form XX-XX-XX-XX-XX-XX, for example: 00-0B-DB-D8-06-00.

Please consult the user guide for details.
3 Limitations and Known Problems

Here is a list of known problems and limitations.

3.1 Lyra AMD for Asterisk Engine Limitations

- A call placed within the first 30 seconds of service start-up may fail because the Application is not yet initialized. (Ref. 3497)
- Silence suppression (VAD) is not supported during analysis.
- Only G711 codecs are supported during analysis. Other codecs may be used once analysis is completed.
- Re-INVITE from called party is not supported until analysis is completed. (Ref. 3391)
- RTP/RTCP inactivity timers in the PSTN gateway/VoIP provider must be disabled (Ref. 5009)

3.2 Lyra AMD for Asterisk Service Limitations

- SIP REFER is not supported (Ref. 876)
- TLS transport for SIP not supported (Ref. 879)
- Reception of SIP 3XX Redirects not supported (Ref. 952)
- Sending of Reliable Provisional Responses following RFC 3262 is not supported (Ref. 1513)
4 Changes Since Last Release

2.0.3
The following features have been added for the version 2.0.3 release:

• Relay of provisional responses (ref. 1863). *183 Session Progress* responses received from media gateways are now relayed immediately to dialer, minus the SDP description.

• Dynamically change pre-connect timeout on per call basis (re. 2359). The pre-connect timeout to use can be provided using a *RingTimeout* SIP header (value in seconds).

• T.38 FAX support (ref. 6909). Faxes relayed using the T.38 protocol are now detected in Lyra.

• Configurable Codec list (ref. 6649). The preferred media codecs to announce when reaching the media gateway can now be configured in the Lyra engine (*rtp.encodingList* parameter)

• SIP OPTIONS requests can be relayed when using Genesys SIP Server with *oos-options-max-forwards* parameter. See *app.ForwardSipOptionsToRelayServer* configuration parameter in User's Guide.

The following limitations and problems were corrected:

• CANCEL requests do not appear in the logs (ref. 6449)

• Request URLs may be sent corrupted - using URL of simultaneous call under high call rates (ref. 6907)

• One call log created for each SIP OPTIONS request received (ref. 4000)

2.0.2
The following feature has been added for version 2.0.2 release:

• Per-call selection of Answering Machine detection mode via a prefix (Enh. 4932).

• Automatic provisional responses can be sent to stop dialer timers. (Enh. 4161 – parameter "app.nca.provisionalSentUponCallerInvite")

• Robustness to Genesys SIP Server 7.6 error in *Content-Type* header value - "application/sdp" triggering "Illegal Sdp Negotiation" error in Lyra. (Enh. 4190)

2.0.1
The following feature has been added for version 2.0.1 release:

• Support of CentOS 5.x x86_64 and Red Hat Enterprise Linux 5.x x86_64

2.0.0
The following feature has been added for version 2.0.0 release:

• The detection of in-band telephony progress tones may now be performed in any country, based on configuration parameters and tones specification. Currently, more than 65 countries are pre-defined. Please refer to user guide for more information.
• The end of the greeting from an answering-machine may now be detected by Lyra AMD for Asterisk to allow an application to leave a message at the appropriate time.
• New custom SIP headers are used to exchange more information with third party dialer applications.

The following limitations and problems were corrected:
• The various types of special information tones (SIT) are all reported with a CPD-Result of 'Sit-Unknown'. (Ref. 3440)