Oracle Communications ASAP Cartridge for Lucent Stinger

The Lucent Stinger is a DSL Access Multiplexer (DSLAM) that switches data from multiple xDSL subscribers through to an ATM high-speed backbone. It supports ADSL & SDSL services and DS3 & OC3 ATM interfaces. The *ASAP Cartridge for Lucent Stinger* is an optional software component that enables ASAP to activate DSL services on the Lucent Stinger DSLAM.

Supported Services

Service provisioning on the Lucent Stinger includes configuration of the line interface modules (LIM), trunk interfaces, and cross-connections between the line side & trunk side. The *ASAP Cartridge for Lucent Stinger* supports configuration of the following actions:

Service	Description
ADSL Port Configuration	Configure the LIM with ADSL configuration. This includes specification of the upstream & downstream data rates. Disable the ADSL LIM configuration.
SDSL Port Configuration	Configure the LIM with SDSL configuration. This includes specification of the maximum bit rate and data rate mode for the line. Disable the SDSL LIM configuration.
DS3-ATM Trunk Interface Configuration	Configure an ATM trunk with DS3 configuration. Disable a DS3-ATM interface.
OC3-ATM Trunk Interface Configuration	Configure an ATM trunk with OC3 configuration. Disable an OC3-ATM interface.
Cross Connection	Create a cross-connect between an existing LIM port and an existing ATM trunk. Delete an existing cross-connection.
LIM Bandwidth	Configure the maximum guaranteed bandwidth for each LIM and maximum allowed bandwidth for each LIM.
VPI/VCI Range	Configure the VPI/VCI range for a LIM port. Configure the VPI/VCI range for a trunk interface.
Define Traffic Contract	Defines an ATM traffic contract including category of service (CBR, VBR, UBR, ABR) and appropriate parameters.
Query Line Side Ports	Query the status of a specified ADSL interface including

	its physical interface status and operating statistics.
	Query the status of a specified SDSL interface including its physical interface status and operating statistics.
Query Trunk Interface Configuration	Query the status information for a DS3 trunk interface.
	Query the status information for an OC3 trunk interface.
Query Cross Connection	Query the status of an existing ATM cross connection.

Cartridge Contents

The *ASAP Cartridge for Lucent Stinger* includes:

- Common Service Description Layer Commands (CSDLs)
- Atomic Service Description Layer Commands (ASDLs)
- State Table programs
- Installation scripts
- Sample work orders
- Cartridge manual

This cartridge can be extended by any of the following:

- Customers
- Systems Integrators
- Oracle Communications Professional Services

The *ASAP Cartridge Development Kit (CDK) for Service Activation* provides guidelines for extending a cartridge.

Technical Specifications

Hardware & Software Requirements

The *ASAP Cartridge for Lucent Stinger* is designed to operate with the following hardware and software:

- Lucent Stinger DSLAM running software load 7.11.

Network Element Interface

The ASAP cartridge interfaces directly with the Lucent Stinger via command line interface (CLI) using telnet.