

**Oracle® Communications IP Service Activator**

Release Notes

Release 7.2

**E35658-01**

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Oracle Communications IP Service Activator Release Notes, Release 7.2

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# Preface

This document lists new features, product enhancements, and deprecated features in Oracle Communications IP Service Activator 7.2. It also includes a list of customer issues fixed in this release and current known issues.

For third-party copyright information and trademark acknowledgements, see the product documentation for this release. For product licensing information, see the Product License document for this release.

## Audience

This document is intended for network administrators, network configuration engineers, network managers, and other individuals who need to maintain and work with IP Service Activator.

## Related Documents

For more information, see the following documents in the Oracle Communications IP Service Activator documentation set:

- See *IP Service Activator Installation Guide* for system requirements and information on installing, upgrading and uninstalling IP Service Activator.
- See *IP Service Activator Administrator's Guide* for information and procedures related to the duties a system administrator performs in monitoring and managing IP Service Activator.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.



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# IP Service Activator New Features

This chapter lists new features, product enhancements, and deprecated features in Oracle Communications IP Service Activator. It also includes deployment and installation considerations for IP Service Activator and related software.

This chapter consists of the following sections:

- [What's New in IP Service Activator](#)
- [Deprecated Features](#)

## What's New in IP Service Activator

This section contains the new features and product enhancements in IP Service Activator release 7.2.

The new features in this release of IP Service Activator are:

- [OSM to IP Service Activator Design Studio Project](#)
- [Design Studio Enhancements for IP Service Activator](#)
- [OSM to IP Service Activator Integration Reference Implementation](#)
- [OSM to IP Service Activator Best Practices Documentation](#)
- [IP Service Activator Web Services Interface](#)
- [Cisco IOS XR Cartridge: MPLS L3 VPN for IPv6](#)
- [Cisco IOS XR Cartridge: LSP for IPv6](#)
- [Cisco IOS XR Cartridge: QoS for IPv6](#)
- [Cisco IOS XR Cartridge: Interface Configuration Management](#)
- [Juniper JUNOS Cartridge: Interface Configuration Management](#)
- [Support for Multilink Frame Relay Interfaces](#)
- [Configuration Template Module Enhancements](#)

## OSM to IP Service Activator Design Studio Project

The OSM to IP Service Activator Design Studio project enables you to use Oracle Communications Design Studio to develop Oracle Communications Order and Service Management (OSM) to IP Service Activator automated tasks, which are used as part of IP service provisioning workflows. The OSM to IP Service Activator Design Studio project has two parts:

- **IP Service Activator Service Action Definitions:** exposes IP Service Activator functionality as a set of service actions that you can use in the activation task to construct automated tasks for OSM.
- **IP Service Activator Data Dictionary:** provides predefined data definitions from the IP Service Activator objects and parameters available within core service modules and configuration policies.

Design Studio support for IP Service Activator reduces integration complexity compared to manual integration approaches. Design Studio, along with the OSM to IP Service Activator Design Studio project, aligns IP Service Activator with Oracle Communications OSS integration tools and best practices. You can create workflows that integrate IP Service Activator data and activation actions with other tools and systems.

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**Note:** To use this release of IP Service Activator with Design Studio, you require Design Studio 7.2.1 or later.

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## Design Studio Enhancements for IP Service Activator

Design Studio is enhanced to provide support for IP Service Activator. These enhancements are:

- **Configuration Template Module (CTM) import:** You can now import CTM templates into Design Studio.
- **Activation Task support for IP Service Activator:** As part of the OSM to IP Service Activator integration, the Design Studio Activation task is enhanced to provide support for IP Service Activator.

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**Note:** For more information about Design Studio enhancements for IP Service Activator, see *Design Studio Release Notes*.

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## OSM to IP Service Activator Integration Reference Implementation

The OSM to IP Service Activator integration reference implementation provides an integrated L3 Multiprotocol Label Switching (MPLS) VPN service solution sample, including configuration of Ethernet-based access for sites. L3 MPLS VPN is a widely deployed business service with a high degree of provisioning order complexity, as well as network configuration complexity.

The solution is packaged as a Design Studio project, which implements OSM workflows that consume structured provisioning orders and drive activation operations to devices in the network using IP Service Activator.

This tested and documented solution uses best practices for OSM to IP Service Activator integration. The solution includes workflows that allow you to create, modify, and delete services, as well as configure activation tasks.

You can adapt this implementation to suit specific needs, use it as a pattern for new workflows, or reference it as a set of worked examples that illustrate specific capabilities for OSM to IP Service Activator integration. This limits the risks when developing the overall solution and provides concrete examples of how an integrated system works, allowing you to more accurately assess the effort required to develop a specific solution.

For more information about IP Service Activator reference implementation, see OSS Integrated Service Provisioning Reference Implementation for Layer 3 MPLS VPN



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Service with Metro Ethernet Access (Doc ID 1479821.1) knowledge article on Oracle Support:

<https://support.oracle.com>

## OSM to IP Service Activator Best Practices Documentation

OSM to IP Service Activator integration best practices documentation describes the recommended approach for implementing a workflow-driven activation system using OSM and IP Service Activator. This document presents the cumulative knowledge Oracle experts have gained from their experience in developing OSM workflows.

Using this documentation allows you to more rapidly develop workflows, and ensures that these workflows are easier for you to maintain and enhance in the future.

If you want to obtain IP Service Activator best practices documentation, see OSS Integrated Service Provisioning Reference Implementation for Layer 3 MPLS VPN Service with Metro Ethernet Access (Doc ID 1479821.1) knowledge article on Oracle Support:

<https://support.oracle.com>

## IP Service Activator Web Services Interface

A comprehensive Web services-based interface for IP Service Activator provides a robust, scalable transport mechanism. Through Web services, you can use all core service modules and all configuration policies supported by IP Service Activator, allowing you to control activation operations from upstream systems. In addition, the Web services interface allows you to manage the service activator transaction cycle, lessening the complexity of upstream logic.

IP Service Activator aligns with industry standards and, using existing Oracle technology, you can integrate IP Service Activator with a range of industry and Oracle products that support Web services.

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**Note:** To use Web services with the OSM to IP Service Activator integration, OSM release 7.2.0 patch 1, or later is required.

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## Cisco IOS XR Cartridge: MPLS L3 VPN for IPv6

The MPLS L3 VPN cartridge for IP Service Activator for Cisco devices running IOS XR is enhanced to include support for IPv6 traffic. This cartridge extends and expands on the existing IP Service Activator multi-vendor support. Service providers can now manage their MPLS networks, consisting of devices from multiple vendors, using one model within IP Service Activator. This allows you to rapidly create, modify, and delete MPLS L3 VPNs and their parts across the network.

This functionality includes support for:

- IPv6 addressing in the VPN
- IPv6 static routing

## Cisco IOS XR Cartridge: LSP for IPv6

IP Service Activator is enhanced with the introduction of IPv6 support for MPLS Traffic Engineering Label Switched Path (TE LSP) on Cisco IOS XR devices.

It includes IPv6 support for:

- Activation of MPLS-TE LSP paths
- Path protection (primary and secondary)
- Automating mirror LSP paths
- Link/Node protection and configuring fast re-route

### **Cisco IOS XR Cartridge: QoS for IPv6**

IP Service Activator is enhanced with the introduction of IPv6 support for Quality of Service (QoS) using Modular QoS CLI (MQC) per hop behavior (PHB) on Cisco IOS XR devices.

It includes IPv6 support for the key QoS mechanisms:

- Classification
- Marking
- Policing
- Shaping

### **Cisco IOS XR Cartridge: Interface Configuration Management**

An Interface Configuration Management cartridge is introduced for IP Service Activator for Cisco devices running IOS XR.

This cartridge enables you to:

- Create, modify and delete logical interfaces
- Modify configuration on physical interfaces

### **Juniper JUNOS Cartridge: Interface Configuration Management**

An Interface Configuration Management cartridge is introduced for IP Service Activator for Juniper devices running JUNOS.

This cartridge enables you to:

- Create, modify and delete logical interfaces
- Modify configuration on physical interfaces

### **Support for Multilink Frame Relay Interfaces**

IP Service Activator is enhanced with support for Multilink Frame Relay interfaces on Cisco devices running IOS. New interface configuration policies have been introduced to allow you to create, modify and delete Multilink Frame Relay interfaces, including the ability to specify whether existing interfaces are part of a Multilink Frame Relay interface.

### **Configuration Template Module Enhancements**

IP Service Activator is enhanced with new functionality for the Configuration Template Module (CTM).

New features include:

- New CTM field types
- Improved support for wildcards in the depends statement

- The ability to nest templates

See the CTM online Help modules for more information.

## Enhancements

[Table 1–1](#) list the enhancements that are included in this release of IP Service Activator.

**Table 1–1 IP Service Activator Enhancements**

BugDB Number	Description
13887017	IPV6 CHANGES FOR CISCO IOS XR LSP CARTRIDGE AND LSP MODULE
13887011	IPV6 SUPPORT FOR CISCO IOS XR QOS CARTRIDGE
13887026	IPV6 SUPPORT FOR CISCO IOS XR L3 VPN CARTRIDGE
13636111	SUPPORT THE NO IP PIM AUTORP STATEMENT FOR MULTICAST FEATURE
10217119	CONFIGURE CISCO MARTINI XCONNECT ON VLAN MAIN INTERFACES
9556354	UPGRADE TO SUPPORT MULTICAST WITH VRF-LITE CONFIGURATION
13527085	DEVICE DESCRIPTION FIELD LIMITED TO 128 CHARACTERS
12985989	IP SERVICE ACTIVATOR GUI RESTRICTS ETHERNET PORT SHAPING FROM 0 TO 4294967295
12567327	SUPPORT FOR IPV6 IN JUNIPER DEVICE DRIVER
12372878	ALLOW MQCPHB TO USE NESTING WITH MARK ONLY SELECTED
12591514	IP SERVICE ACTIVATOR MAXIMUM-PREFIX COMMAND
10100930	SUPPORT FOR CONFIGURABLE TAG COMMAND IN IPSA SAA
10323740	IMPROVED ORGANIZATION OF COS MECHANISMS IN PHB AND MQCPHB OBJECTS
12340142	LSP SUPPORT FOR AUTOROUTE ANNOUNCE
12340200	LSP XR IOS NOT SENDING LDP COMMAND WHEN SELECTED
12351604	HUAWAI LSP ENHANCEMENTS.
12377665	INPUT INTERFACE TRAFFIC TYPE DOES NOT SUPPORT HYPHEN
12613342	ISR G2 & ASR ROUTERS SHOULD SUPPORT "NO IP PIM DM-FALLBACK" COMMAND
9338421	SUPPORT FOR "MATCH COS <N>" AND "MATCH COS INNER <N>"
12779414	EXTRA OPTIONS FOR BGP NEIGHBOR LOCAL-AS COMMAND ON CISCO IOS CARTRIDGE
12928024	IP SERVICE ACTIVATOR THROWS EXCEPTION WHILE REMOVING HOLD-QUEUE COMMAND FROM INTERFACE
12774990	ABILITY TO SPECIFY THE OSPF PROCESS ID IN CISCO IOS CARTRIDGE

**Table 1–1 (Cont.) IP Service Activator Enhancements**

<b>BugDB Number</b>	<b>Description</b>
12779613	EXTRA COMMAND IN ROUTE POLICY FOR THE CISCO IOS CARTRIDGE.
12852561	CISCO PROPRIETARY MIB TO BE USED FOR IPV6 DATA
12552096	CANNOT USE WILDCARD IN AUTODISCOVERY.CFG RENAME COMMAND
12940624	FEATURE FOR ALCATEL DISCOVERY MODULE TO INCLUDE CARD NAME IN INTERFACE PROPERTIES
12940687	ALCATEL DISCOVERY MODULE WILL NOT REDISCOVER DEVICE IF IT IS IN A NOT FOUND STAT
--	JUNIPER CARTRIDGE REPLACEMENT FOR JUNIPER DEVICE DRIVER
14126939	HUAWEI CARTRIDGE APPENDING AUTOGENERATED NUMBER TO QOS OBJECTS
14232221	SUPPORT FOR EXTRA COMMANDS IN VIRTUAL TEMPLATE CONFIGURATION POLICY
14604666	DUPLEX/SPEED SETTING ON CISCO UNIVERSAL CONFIG POLICY
13952990	ADDITIONAL SUPPORT FOR MULTICAST VPN FOR CISCO
13780160	ENHANCEMENT TO SUPPORT BFD SUPPORT FOR BGP FOR L3 VPN
13452054	ENHANCEMENT TO CISCO BGP AND VRF ROUTE POLICIES TO SUPPORT SET AS PATH-PREPEND AND SET ORIGIN COMMANDS
14102924	SUPPORT OF IP PIM DR-PRIORITY 10
16385851	SUPPORT CORE INTERFACE CREATION POLICIES FOR JUNOS CARTRIDGE
--	SOLARIS 11 SUPPORT
10169508	MLFR INTERFACES SUPPORTED IN IP SERVICE ACTIVATOR
16658331	CTM ENHANCEMENTS
13774183	SUPPORT FOR CONFIGURATION POLICIES FOR CISCO IOS XR
14181099	THE ABILITY TO LINK A CONFIG POLICY TO A DEVICE WITHOUT THE USE OF AN INTERFACE
16210996	THE SAME MULTIPATH FUNCTIONALITY FOR JUNIPER AS FOR CISCO IOS XR
16990518	UPVERSION JRE TO 1.7.0 U IN IP SERVICE ACTIVATOR/ CM
9963766	SUPPORT FOR 4-BYTE ASN NUMBERS IN JUNIPER DEVICE DRIVER

## Deprecated Features

The following features have been removed from the feature set in this IP Service Activator release:

- Juniper E-series Device Support
- LSP Module

- Oracle Solaris 32-bit
- ASAP-IP Service Activator Process Integration Pack
- Transaction Export Utility
- Dual Dispatch



This chapter provides two tables: a list of all fixed issues and current known problems in this release of Oracle Communications IP Service Activator.

## Fixes in This Release

This section lists all the fixed issues in this release of IP Service Activator.

[Table 2–1](#) provides the service request number, the bug number and a brief description of the issue.

**Table 2–1 Customer Issues Fixed in IP Service Activator**

Service Request (SR) Number	BugDB Number	Description
3-6090680241	6383340	WHEN A NETWORK HAS MANY DOWN DEVICES, THE JUNIPER DEVICE DRIVER WILL CONSTANTLY CHECK DEVICE STATUS AND CAUSE A FREEZE
2-5849378	9068784	DATASCRIPIT AND CONFIGLET CLEANUP FAILS TO CLEAN UP CONFIGLETS
3-1229453731	9262489	NP FAILS TO STARTUP IF PROCESSES ON NAMING SERVICE MACHINE NOT FULLY STARTED
3-1889804711	9881193	IP SERVICE ACTIVATOR IS NOT DELETING THE LAST DEVICE MODEL IN THE DATABASE WHEN USERS DELETE DEVICES FROM IP SERVICE ACTIVATOR
3-1911600931	9892859	THE OIM COMMAND GETID IS SLOWER WITH PROXY THAN THE GETID COMMAND WITHOUT PROXY
3-2051612981	10100930	CANNOT CONFIGURE TAG COMMAND IN IP SERVICE ACTIVATOR SAA
3-2474565621	10367395	DURING RIP IPV4 ADDRESS FAMILY REMOVAL, NP ISSUES "NO VERSION 2" COMMAND
3-2768268931	11682346	LINKING TWO MARTINI ENDPOINTS IN DIFFERENT TRANSACTIONS CAUSES TIMEOUT
7643437.992	11883783	IP SERVICE ACTIVATOR ASSIGNED DUPLICATE RD AUTOMATICALLY WHEN MANUAL RD VALUE SAME AS GENERATED RD VALUE
3-3182517271	12313193	INCORRECT BANDWIDTH VALUE ON INTERFACES
3-3349331431	12339743	LSP CONFIGURATION POLICY DOES NOT ALLOW 0 FOR BANDWIDTH RANGE
3-3349331431	12340142	LSP SUPPORT FOR AUTOROUTE ANNOUNCE

**Table 2-1 (Cont.) Customer Issues Fixed in IP Service Activator**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
3-3349331431	12340200	SUPPORT FOR DYNAMIC LABEL SWITCHING OF LSP TRAFFIC
3-3353814521	12340403	ERROR IN IP SERVICE ACTIVATOR WHILE APPLYING THE IP MTU VALUE GREATER THAN INTERFACE MTU
3-3359093721	12351604	HUAWEI LSP ENHANCEMENTS
3-3332514011	12363434	DELETING FAULT IN IP SERVICE ACTIVATOR TAKES OVER 1 HR TO REPUSH CONFIG
3-3357137741	12372878	ALLOW MQCPHB TO USE NESTING WITH MARK ONLY SELECTED
3-3357137741	12377665	INPUT INTERFACE TRAFFIC TYPE DOES NOT SUPPORT HYPHEN, CANNOT ENTER INTERFACE RANGE
3-3571544121	12539067	A SMALL SAA PROBE CHANGE ON ONE DEVICE CAUSES MASSIVE NUMBER OF COMMITS
3-3591356521	12552400	ALCATEL DISCOVERY MODULE DOES NOT FIND ALL INTERFACES, CANNOT CHANGE DISCOVERY QUERY FILTERS
3-3569487011	12557474	CISCO 15.1-M. IOS NO LONGER ACCEPTS AROUND CLASSMAP AND POLICY
3-3603593111	12557683	INTERFACE DECORATION ROLLBACK CAN REMOVE INTERFACE IP ADDRESS
--	12558573	IOSXR: IP SERVICE ACTIVATOR DOES NOT CONFIGURE EXCLUSIVE MODE
3-2546876611	12591514	IP SERVICE ACTIVATOR MAXIMUM-PREFIX COMMAND IS NOT SUPPORTED
3-3569061521	12607579	POLICY SERVER RESTARTED DURING A PROXY PUSH
3-3732817831	12613342	IP SERVICE ACTIVATOR DOES NOT SUPPORT "NO IP PIM DM-FALLBACK" COMMAND
--	12626942	JUNOS BASE CARTRIDGE 'CONFIGURE PRIVATE' AND 'CONFIGURE EXCLUSIVE' SUPPORT IS REQUIRED
3-3733180941	12627026	UPGRADE TO 7.0 NPSNAPSHOT.SH DOES NOT RUN, JAVA EXCEPTION OCCURS
3-3753249831	12627694	LOOPBACK ADDRESS CHANGES UPON DISCOVERY
--	12631270	IPV4 AND IPV6 ADDRESSES ARE REMOVED WHEN CHANGING INTERFACE TAGGING, ENCAPSULATION TYPE
3-3733180941	12632652	UPGRADE TO 7.0 - NPUPGRADE FAILS TO COMPLETE
3-3357664678	12642739	IOSXR: DELETION OF FAULT AFTER ROLLBACK ON REMOVAL DOES NOT INITIATE RE-PUSH
3-3746233581	12652845	CARTRIDGE ALWAYS REDUCES SPOKE SITES INTO ONE VRF
--	12661071	NETWORK PROCESSOR/CISCO CARTRIDGE THROWS NULLPOINTEREXCEPTION WHILE DOING VRF REDUCTIONS
3-1330352221	12661773	NETWORK PROCESSOR: IOS CARTRIDGE RIP DEFAULT ROUTE SUPPORT



**Table 2–1 (Cont.) Customer Issues Fixed in IP Service Activator**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
3-3871400701	12686925	STATIC ROUTES REMOVED BY IP SERVICE ACTIVATOR DUE TO RUNNING DISCOVERY SIMULTANEOUSLY WITH USER TRANSACTIONS
3-6514003681	12712070	EXISTING IPV4 CUSTOMER CAN'T ADD A WEBSITE TO THEIR VPN WITH AN IPV6 ADDRESS
3-3949058321	12760830	JAVA EXCEPTION OCCURS IN UNRELATED CARTRIDGES UPON COMMAND RE-ISSUE
3-4082370351	12774990	CANNOT SPECIFY THE OSPF PROCESS ID IN CISCO IOS CARTRIDGE THROUGH L3 VPN SITES
3-4082370365	12779414	EXTRA OPTIONS REQUIRED FOR BGP NEIGHBOR LOCAL-AS COMMAND ON CISCO IOS CARTRIDGE
3-4082789871	12779613	EXTRA COMMAND IN ROUTE POLICY IS REQUIRED FOR THE CISCO IOS CARTRIDGE
3-4107175171	12808285	JUNIPER BASE CARTRIDGE PROMPT MATCH DOES NOT HANDLE MX DEVICE PROMPT
--	12901214	CANNOT DISCOVER IPV6 INTERFACES FROM DEVICES RUNNING CISCO PROPRIETARY MIB
3-3124242631	12903647	SUPPORT FOR IPV6 IN JUNIPER DEVICE DRIVER
3-4366122921	12928024	IP SERVICE ACTIVATOR THROWS EXCEPTION WHILE REMOVING HOLD-QUEUE COMMAND FROM INTERFACE
3-4416544531	12940624	ALCATEL DISCOVERY MODULE DOES NOT INCLUDE CARD NAME IN INTERFACE PROPERTIES
3-4419218621	12940687	ALCATEL DISCOVERY MODULE DOES NOT REDISCOVER DEVICE IF IT IS IN A NOT FOUND STATE
3-3338581371	12976514	JUNIPER DEVICE DRIVER LOGS A COMMIT ERROR EVEN IF THE COMMIT IS SUCCESSFUL
--	12977771	INLINE AUDIT FAILS WHEN ONLY ONE VLAN ID IS IN THE COMMAND
3-4510448161	12985989	IP SERVICE ACTIVATOR GUI RESTRICTS ETHERNET PORT SHAPING BEYOND 4GBPS
3-4636146171	13045036	NPADMIN NOT DISPLAYING FULL IPV6 ADDRESSES
--	13054425	IP SERVICE ACTIVATOR GUI RESPONSE TO OPENING PHB OBJECT PROPERTIES IS SLOW AFTER THE PATCH 14 INSTALLATION
3-4732604681	13114928	THE AUTOMATIC DISCOVERY STATUS SHOWS A LARGE NUMBER OF OBJECTS AND THE TIME HAS HAS CHANGED
3-4820134941	13253038	AUDIT FAILS DURING NETWORK PROCESSOR UPGRADE BECAUSE OF REORDERING OF CLASSMAPS AND ACLS
3-4863694921	13344440	INCORRECT DOCUMENTATION IN OPTION EDITOR TOOL
3-4871320691	13344817	ALCATEL CARTRIDGE DOES NOT DETECT FAILOVER HAS OCCURED
--	13345287	NPUPGRADE DEVICE OPTION FAILING TO RUN

**Table 2-1 (Cont.) Customer Issues Fixed in IP Service Activator**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
3-4866353641	13397028	INTEGRITY CHECKER ONLY FINDS FIRST CHILD UNDER PARENT OBJECT, CHILDREN IDS WRONGLY ACCUMULATED
3-4999551997	13454837	UPGRADE RUN ERROR DUE TO MISSING CLASSIFICATION IN CLASSIFICATION RULE
3-4994460431	13481586	MULTIPLE NPUPGRADES RUNNING ON DIFFERENT SERVERS, DEVICE UPGRADE ERROR
3-5058527301	13502438	UPGRADE RUN FAILURE DUE TO MULTIPLE NPUPGRADES ON DIFFERENT SERVERS
3-5092918381	13528774	IP SERVICE ACTIVATOR SENDS ALL ROUTE TARGET COMMANDS IN VRF CONTEXT REGARDLESS OF THE ADDRESS FAMILY SELECTED
3-5085084621	13559898	OIM CLI IS MISSING FROM WINDOWS 64BIT DISTRIBUTION
3-5095254081	13567111	CARTRIDGECONFIGURATIONTOOL.SH DOES NOT WORK IN LINUX
3-5206762751	13623194	IP SERVICE ACTIVATOR DOES NOT HONOUR "CLIPORT"
3-5206282581	13628093	NP AUDIT USES MANAGEMENT IP ADDRESS FROM CACHE/LDM INSTEAD OF REAL ADDRESS
3-5244267781	13767151	THE CTM MODULE DOES NOT SUPPORT ALL THE CHARACTER SETS AVAILABLE WITH ORACLE DATABASE 11G2
3-5198240401	13799843	THE POLICY SERVER CAN SOMETIMES GENERATE A CORE ON SHUTDOWN
3-5363685891	13824733	ON CISCO IOS XR, THE SERVER POLICY IS NOT BEING APPLIED TO FRAME-RELAY DLCI INTERFACES
3-5440547331	13840876	IP SERVICE ACTIVATOR REMOVED ACCESS-LISTS OFF ROUTER USING A DEVICE DRIVER
3-5484539951	13921128	WHEN A MASTER VPN SITE IS MOVED TO ANOTHER VPN ON CISCO IOS- XR, IP SERVICE ACTIVATOR AUTOMATICALLY CHANGES VRFS
3-5576576241	13955118	NETWORK PROCESSOR REPORTS A PROBLEM FOR ROUTERS WITH 2 ATM POLICIES
3-2474565621	13960648	THE REMOVAL OF RIP CONFIGURATION RESULTS IN RIP V2 CONFIGURATION BEING REMOVED
3-5600784301	13981368	CRITICAL ERROR RAISED DURING DEVICE MANAGEMENT PROCESS OF A CISCO 4924
3-5484539951	14008774	RENAMING A SITE WITHIN A VPN CAN CAUSE UNWANTED VRF NAMING FOR OTHER SITES
3-5731881591	14103423	IP SERVICE ACTIVATOR REMOVED VRFS FROM AN IOS-XR DEVICE
3-5718982591	14113299	THE JUNIPER DRIVER CANNOT SEND COMMANDS FOR IPV6 MULTIPATH COMMANDS
--	14127887	THE VRFREBUILDWAITTIME IS IN SECONDS NOT MILLISECONDS

**Table 2-1 (Cont.) Customer Issues Fixed in IP Service Activator**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
3-5782693271	14163620	LINKAGE ERRORS ON SYSTEM STARTUP AFTER PATCH UPGRADE
3-5782693271	14163620	AFTER A PATCH UPGRADE, THERE ARE LINKAGE ERRORS ON THE SYSTEM
3-5916292691	14285143	IN CISCO IOS RELEASES 15.0, 12.0, AND LATER, THE IMPORT KEYWORD WAS REPLACED
3-5952630401	14331331	CTM USES OBJECT NAMES WHICH CAUSES PROBLEMS WHEN TWO TARGETS HAVE THE SAME NAME
3-5855169911	14359916	IP SERVICE ACTIVATOR COMMIT TIMES ARE GETTING LONGER
3-6026372671	14405581	WHEN THE DEVICE DESCRIPTION CONTAINS TWO QUOTATION MARKS, THE IOS VERSION PRECHECK FAILS
3-6023925861	14470759	THERE ARE DELAYS IN A NETWORK PROCESSOR PUSH ON THE SECOND PUSH IN A PRODUCTION SYSTEM
3-6172276241	14652918	WHEN A DEVICE IOS VERSION ENDS WITH A SPACE, THE CARTRIDGE CONFIGURATION TOOL CANNOT RECOGNIZE THE IOS VERSION
3-6257108261	14697603	WHEN ONLY THE INTERFACE COMMAND IS SELECTED FOR RE-ISSUE, IP SERVICE ACTIVATOR SENDS ALL THE DEVICE COMMANDS
3-6301017331	14752629	IN HUAWEI OS, AN AUDIT PROBLEM CAN OCCUR WHEN THERE IS ONLY ONE QOS TRAFFIC CLASSIFIER
3-6348399961	14792031	CERTAIN VPN CONFIGURATIONS CAN CAUSE A NETWORK PROCESSOR UPGRADE ERROR
3-6360037831	14807316	CISCO IOS 15X DEVICES DO NOT SUPPORT THE MAX-RESERVED-BANDWIDTH PARAMETER
3-6405184061	15831823	APPLYING MORE THEN ONE HSRP SERVICE POLICY TO A SINGLE INTERFACE CAUSES AN ERROR
3-6430966961	15866893	POLICY SERVER CAN CRASH WHEN A DISCOVERY IS RUN TO A NON-EXISTANT IP ADDRESS AND A TRANSACTION COMMIT IS ALSO OCCURRING
3-6503838191	15922512	THE JUNOS DEVICE DRIVER CANNOT GENERATE IPV4 SUPER ADDRESS STATIC ROUTE 0.0.0.0/0 ANYMORE
3-6414441301	15923539	THE MAXIMUM ROUTE DISCREPANCY IS NOT SHOWING UP IN THE NETWORK PROCESSOR AUDIT REPORT
3-6503838207	15934919	THE JUNOS DEVICE DRIVER REDISTRIBUTION CONTAINS EXTRA STATIC WHEN ONE VPN SITE HAS STATIC ROUTE AND REDISTRIBUTION AND THE OTHER DOES NOT
3-6574537591	16035763	JUNIPER DEVICE DRIVER TAKES LONGER TO SEND CONFIGURATIONS WHEN USING FTP MODE
3-6527410701	16068241	SOLARIS 64BIT INTEGRITY CHECKER TRUNCATES REPORT SIZES TO 4K
3-6635084001	16079094	POLICY SERVER IS LOGGING ASSERTION ERRORS AND THEN SHUTTING DOWN AND LEAVING A CORE FILE

**Table 2–1 (Cont.) Customer Issues Fixed in IP Service Activator**

<b>Service Request (SR) Number</b>	<b>BugDB Number</b>	<b>Description</b>
3-6657709541	16191460	INCORRECT TEXT IS DISPLAYED IN THE VRF REDUCTION MULTIPATH ERROR MESSAGE
3-6696922701	16237175	THE IOS XR CARTRIDGE DOES NOT ALLOW RIP CONFIGURATION WITH AN IPV4+6 ROUTE
3-6725605891	16387874	IN CISCO IOS XR, CAPS ARE NOT FETCHED FOR A NEW FRAME-RELAY SUBINTERFACE
3-6828460841	16409288	IP SERVICE ACTIVATOR REPORTS THAT ATM HOLDQ DEPTH IS NOT SUPPORTED
3-6883640511	16431700	DATABASE UPGRADE FROM 5.2.4 FAILS
3-6894070041	16453816	IP SERVICE ACTIVATOR TRANSACTION STATUS MONITOR REPORTS FALSE NEGATIVES IN CASES INVOLVING VIRTUAL DEVICES
3-6894602541	16457025	IPV6 IP ADDRESS ON AN INTERFACE WILL NOT SHOW IN THE IP SERVICE ACTIVATOR UI IN DEVICE PANEL
3-6939690271	16503075	THE JUNIPER CARTRIDGE IS OVERWRITING THE SYSTEM GROUP INTERFACE AND REMOVING MANUAL CONFIGURATION
3-6957953311	16545867	IP SERVICE ACTIVATOR GUI CRASHES ON WINDOWS 2008 R2 WHILE CLOSING
3-7084309844	16727946	THE JUNIPER DEVICE DRIVER FTP SESSION TIMES OUT AFTER 15 MINUTES DURING JUNIPER CONFIGURATION
3-7352971284	16932843	OFFLINE AUDITS ARE SHOWING ALL COMMANDS MISSING EVEN THOUGH THEY ARE IN THE CONFIGURATION FILE

## Known Problems

This section lists known problems found during testing of this release of IP Service Activator that remain unresolved at the release date.

[Table 2–2](#) provides the service request number, the bug number and a brief description of the problem.

Table 2-2 Known Problems in IP Service Activator

Service Request (SR) Number	Bugbane Number	Description
3-2854771401	11705527	<p>IP SERVICE ACTIVATOR PATCH UI INSTALLER CAUSES ABNORMAL TERMINATION</p> <p><b>Problem</b></p> <p>When installing an IP Service Activator patch, the size of the file path causes the following error message to appear:</p> <p>Abnormal program termination. An internal error has occurred.</p> <p><b>Workaround</b></p> <p>Copy the installer zip file to a new folder with a shorter name, for example:</p> <p>C:\IPSA\</p> <p>Extract the installer zip file to the new location and run the installer.</p>
--	14181889	<p>IP SERVICE ACTIVATOR UI FREEZES AFTER RESTART OF THE PS AND OTHER NP AND PROCESSES</p> <p><b>Problem</b></p> <p>When using the IP Service Activator user interface (UI) with Windows 7, the UI sometimes does not reconnect to the server after the server is restarted.</p> <p><b>Workaround</b></p> <p>Close and reopen the UI.</p>
--	14251008	<p>IP SERVICE ACTIVATOR TRANSACTION SUCCEEDED WHEN VPN CONCRETE IN CONFLICT</p> <p><b>Problem</b></p> <p>If a transaction generates a concrete in the conflict state, the transaction monitor reports the transactions as succeeded.</p> <p><b>Workaround</b></p> <p>None.</p>
--	14292525	<p>CONFIG GUI DOES NOT UPDATE PATHS WHEN INSTALLING IP SERVICE ACTIVATOR TO A NEW LOCATION</p> <p><b>Problem</b></p> <p>If you are upgrading into a new directory, such as from 5.2.4 Solaris 32-bit to 7.2.0 Solaris 64-bit, the procedure is to copy the <b>cman.cfg</b> file to the new directory. The Configuration GUI does not update the paths in the <b>cman.cfg</b> file to the new path.</p> <p><b>Workaround</b></p> <p>Edit the <b>cman.cfg</b> file and change the directory paths to the new directory paths before running the <b>configGui</b> tool.</p>
--	14298841	<p>IP SERVICE ACTIVATOR PS TM LOGS THE SAME MESSAGE TWICE</p> <p><b>Problem</b></p> <p>Transaction-related logs may appear twice in the policy_server logs when a transaction fails.</p> <p><b>Workaround</b></p> <p>Ignore the additional log.</p>

