



# VCS BSS/OSS Adaptor (BOA) 4.0.19 thru 4.0.27 Release Notes

Last Updated: September 28th, 2016

## Introduction

This release includes new features in the REST and web service interface in addition to bug fixes.

## System Requirements

Requirement	Minimum	Recommend	Comments
Operating System	CentOS 6.x Red Hat Enterprise 6.x	CentOS 6.5 RHEL 6.7	
Processors	2 x 2.0 GHz	4 x 2.4 GHz	
Server RAM	4 GB	12 GB	
JVM Heap Size	8 GB	8 GB	

## New and Changed Features

### BOA 4.0.19

- New REST APIs to create/update bookmarks
- Region filtering in the Export Packages web service command
- An interface to Consul for leader election between BOA instances for submitting TVOD purchase report requests

### BOA 4.0.20

- New REST APIs to create/delete favorites
- New household locale attributes in REST I/F: populationId, zipCode, and bouquetId
- New device attributes in REST I/F: smartCardId, subscriberId
- A new interface to location service that is triggered by a create household REST command. When the state and county attributes are populated, BOA submits a request to retrieve and populate the EAS location
- Adding pin attributes in the Modify Household web service command

## Changes in Behavior

### BOA 4.0.21

- New device retrieval REST API based on smart card ID
- Support an upgrade of Mongo to version 3.0.4
- New interface to the BEF service, which is triggered by a request to retrieve VOD usage records

### BOA 4.0.22

- None

### BOA 4.0.23

- New REST APIs for household personal properties
- Implementation of new error status codes

### BOA 4.0.24

- A new interface to receive TUF (Transaction UPM Flow) notifications signifying the success/failure of a UPM request
- Implementation of service lookup interface to Consul

### BOA 4.0.25

- Setting of transNum value in requests submitted to UPM and CI for command tracking purposes

### BOA 4.0.26

- None

### BOA 4.0.27

- Initial support of synchronous BOSS inbound requests in coordination with ECS3/EC8

## Changes in Behavior

### BOA 4.0.21

- The device category filtering API in the REST interface now relies on device feature values instead of the device category

### BOA 4.0.22

- The format of the TVOD report file name, which is automatically submitted to RS, has been modified

### BOA 4.0.24

- Validation checks have been added to household and purchase WSDL commands to reject a request if it is missing a mandatory attribute

### BOA 4.0.25

- The service registration has been modified to change the format of the service name and to add separate entries for each web service endpoint

## Scalability Improvements

N/A

## Related Documentation

N/A

## Installation and Upgrade Notes

A new BOA user's guide has been created for this release. Please refer to that document for installation and upgrade instructions.

## Upgrade Paths

Install new RPMs by following the provided instructions.

## Open and Resolved Bugs

The open and resolved bugs for this release are accessible through the [Cisco Bug Search Tool](#). This Web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in this product and other Cisco hardware and software products.

**Note:** You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can [register for an account](#).

For more information about the Cisco Bug Search Tool, see the [Bug Search Tool Help & FAQ](#).

## Open Bugs for This Release

All open bugs for this release are available in the [Cisco Bug Search Tool](#) through the [open bug search](#). That search includes workarounds for the following open bugs, if any, and any additional open bugs.

Bug ID	Headline
N/A	N/A

## Resolved Bugs for This Release

All resolved bugs for this release are available in the [Cisco Bug Search Tool](#) through the [fixed bug search](#).

The list of resolved bugs shown in the following table is comprised of the changes between BOA 4.0.19 and 4.0.27.

Bug ID	Headline
<b>BOA 4.0.19</b>	
CSCuy57981	ExportPackages and QueryPackage requests fail due to service name
CSCuy78967	Region ID validation does not block non-hex characters
CSCuy78986	ExportPackages lists wrong offer parameters
CSCuy79039	Add regionId filtering to ExportPackages
CSCuy99341	Add leader election for tvod auto trigger
CSCuz15035	Adjust behavior of device quota update command
CSCuz29578	Add support to REST I/F to create/update bookmarks

## Open and Resolved Bugs

Bug ID	Headline
<b>BOA 4.0.20</b>	
CSCuz38643	Adjust behavior of REST commands controlling enabled services
CSCuz44481	Add support to REST I/F to create/delete favorites
CSCuz50221	Modify household REST APIs to support new region attributes
CSCuz56749	Modify REST I/F to support FIPS code lookup
CSCuz61132	Modify WS ModifyHousehold to support setting pin values
CSCuz74163	Add new locale fields (bouquet, postalCode, population)
CSCuz74438	Remove jdk rpm from Docker build
<b>BOA 4.0.21</b>	
CSCuz29499	BOA needs to support Mongo 3.0.4
CSCuz75982	Remove type constraint for boa.flavorname for BOA heat template
CSCuz78602	Add subscriberId, smartCardId to device in REST I/F
CSCuz82840	deviceCategory filtering using deviceFeatures
CSCuz90880	Retrieve device by smartCardId
CSCuz91157	Add log burst filter to logging
CSCuz94563	Retrieve VOD usage records
<b>BOA 4.0.22</b>	
CSCuz58651	Need to ensure easLocation as read-only attribute
CSCuz76016	Update County or State doesn't update easLocation
CSCuz76037	Update HH with bad state/county combo returns wrong status code
CSCva11193	Use special file string for vod report files
<b>BOA 4.0.23</b>	
CSCva12985	Add personalProperties to household
CSCva14789	Adjust Bookmark behavior
CSCva17000	Add new preference APIs
CSCva36740	Improve logging and error status codes of WS offer commands
CSCva40059	Add offerKey to tvodPurchaseHistory
<b>BOA 4.0.24</b>	
CSCuz29506	Remove keystore info from log file
CSCva12976	Fix the errors in the BOA log

<b>Bug ID</b>	<b>Headline</b>
CSCva52462	Fix BOA Dockerfile bug with wget
CSCva54684	Add TUF logic
CSCva62179	Continue WS error/logging improvements
CSCva74086	PostalCode should be zipCode
CSCva74218	Handle downstream service unavailable when calling CI
CSCva77964	Modify BOA to work with CONSUL or SD using the SD-API
<b>BOA 4.0.25</b>	
CSCva86443	Improve error message for SessionStoppedNotification timeout
CSCva86476	Wrong status code returned for REST subscription create
CSCva86635	Using WS i/f, send transNum as FLOW_CONTEXT to UPM
CSCva90520	Update purchase wsdl to make EventInfo optional
CSCva91704	Register ws endpoints with sd
CSCva96890	BOA (SD client) not managing health checks in Consul
CSCva98590	IH changes to support env parameterization
<b>BOA 4.0.26</b>	
CSCvb06029	Assign error status code for TUF errors
<b>BOA 4.0.27</b>	
CSCva86635	Using WS I/F, send transNum as FLOW_CONTEXT to UPM
CSCuz76328	Create/delete favorites returns wrong status
CSCva75219	Locale bouquet update does not take effect
CSCvb06029	Assign error status code for TUF errors
CSCvb16008	Unable to add STB/SC and pair them successfully
CSCvb16020	Unable to change the parental rating pin
CSCvb27920	Add sync BOSS in and out
CSCvb31283	Modify Household transaction times out 3 times
CSCvb31293	Retrieve cpems from service directory
CSCvb38849	ECS CPEMS sync boss support
CSCvb42746	Add default dates for vodUsageHistory

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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