

BoKS Web Services Interface 7.1 Release Notes

This document contains information about the BoKS Web Services Interface (WSI) 7.1 product release from Fox Technologies. It includes the following sections:

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Revision History

Revision: 1

Date of this revision: 05/31/2017

Revision history:

Rev No	Date	Comments
1	05/31/2017	First version.

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Tested Platforms

BoKS Web Services Interface 7.1 has been tested on the following platforms:

Component	Platform	Comments
WSI Server	Oracle Solaris 10 on SPARC.	
	Oracle Solaris 10 on x86	
	Oracle Linux 6	
	Oracle Linux 7	
	Red Hat Enterprise Linux 6	
	Red Hat Enterprise Linux 7	
	SuSE Enterprise Linux 11	
BoKS Manager	Version 7.1 on any tier 1 MRC platform	Must be installed as Master

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What's New or Changed

New features in this release.

Support for BoKS Manager 7.1 Functionality

BoKS WSI 7.1 is fully compliant with the functions and features of BoKS Manager 7.1 and should be used if you are running version 7.1 on your domain Masters.

Updated Default List of Accepted Cipher Suites (WSI-155)

With the new Java 8 JRE, the list of accepted cipher suites for BoKS WSI has been updated. For the permitted cipher suites see "Configuring Permitted Encryption Algorithms" in the Administration Guide.

API Changes

The following changes have been made to the API in comparison with the previous version (7.0):

Type of Change	API Item	Description of Change
Change	route type	Now called rule and has new attributes "force", "fromUser", "targetUser", "program", "programArgs", "windowsNetShare", "file", "comment", "role".
Change	createUser	New attributes "noAccountExpiration", "noPasswordExpiration", "needCrypt", "needCryptAtHost".

Type of Change	API Item	Description of Change
Change	blockUser	New attribute "blockComment"
Change	changeUserHostGroup	New attributes "keepAccessRules", "keepAccessRoutes".
Change	modifyUser	New attributes "noAccountExpiration", "noPasswordExpiration", "needCrypt", "needCryptAtHost", "pwmValidTime", "maxSSHUserKeys"
Change	createUserClass	New attribute "maxSSHUserKeys".
Change	modifyUserClass	New attribute "maxSSHUserKeys".
Change	createHost	New attributes "needCrypt", "needCryptByUser", "tmpDir".
Change	modifyHost	New attributes "needCrypt", "needCryptByUser", "tmpDir".
Change	createPreregHost	New attribute "tmpDir".
Change	modifyPreregHost	New attribute "tmpDir".
Change	createPreregType	New attribute "tmpDir".
Change	modifyPreregType	New attribute "tmpDir".
Change	listProgramGroupMembers	Attribute "nameOnly" is replaced by "programGroupMember".
Change	createProgramGroup	New attributes "programGroup", "program", "programArgs", "disallow".
Change	modifyDomainParameters	New attributes "unixCryptFilter", "kslDefaultLogLocal", "maxSSHUserKeys", "pwmPasswordTimeout", "pwmHistoryLength", "pwmDefaultValidTime", "pwmReasonProgram", "pwmReasonProgramTimeout", "pwmLegalBanner".
Change	listRoutes	Now called listAccessPolicies, and return type changed from "route" to "rule".
Change	listUserAccessRoutes	Now called listUserAccessRules, and return type changed from "route" to "rule".
Change	listUserClassAccessRoutes	Now called listUserClassAccessRules, and return type changed from "route" to "rule".
Change	addAccessRoute	Now split into two new functions called addUserAccessRule and addUserClassAccessRule.

Type of Change	API Item	Description of Change
Change	removeAccessRoute	Now split into two new functions called removeUserAccessRule and removeUserClassAccessRule.
Change	createRoute	Now called createAccessPolicy.
Change	deleteRoute	Now called deleteAccessPolicy, some attributes removed.
Change	addProgramGroupMembers	Now called addProgramGroupMember and can only add one member to a group.
Change	removeProgramGroupMembers	Now called removeProgramGroupMember and can only remove one member from a group.
New	setPWMUserRandomPassword	New function; Set a random password for a user with password checkout enabled.
New	setUserManagedByPWM	New function; Set a user's password as enabled for checkout.
New	setUserNotManagedByPWM	New function; Set a user's password as not enabled for checkout.
New	getAccessPolicy	New function; Retrieve an access policy.
New	getUserAccessRule	New function; Retrieve an access rule for a user.
New	getUserClassAccessRule	New function; Retrieve an access rule for a user class.
New	modifyUserAccessRule	New function; Modify an access rule for a user.
New	modifyUserClassAccessRule	New function; Modify an access rule for a user class.
New	listAccessRules	New function; List defined access rules.
New	createAccessPolicy	New function; Create an access policy.
New	modifyAccessPolicy	New function; Modify an access policy.
New	getPWMReasonPattern	New function; Retrieve a reason pattern for password checkout.
New	listPWMReasonPatterns	New function; List defined password checkout reason patterns.
New	createPWMReasonPattern	New function; Create a password checkout reason pattern.
New	deletePWMReasonPattern	New function; Remove a password checkout reason pattern.

For more details, see the online API Reference and BoKS WSI 7.1 Administration Guide.

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Fixed Issues

Issues that have been fixed in this release.

WSI-163

PERSISTENT REQUEST QUEUE NOT STORED PROPERLY WHEN APPLICATION STOPS

The persistent queue is stored to disk at regular intervals. However the queue was not synced to disk when the MDS application closed down, risking requests being lost if the application was restarted.

WSI-162

RETRY LIMITED AMOUNT OF TIMES FOR EACH REQUEST

If a request couldn't be processed due to a connection problem (e.g. the BoKS Master is down) BoKS WSI retried the request the number of times specified by the "retrytofailover" property and then changed to any configured failover Replicas. If all attempts failed BoKS WSI started over with the first Master again. Now, if the request fails for the Master and all the failover Replicas, the request is reported as failed.

WSI-158

maxRows IN WEB SERVICE get-functions RESPONSES

The `get*` functions in SOAP responses erroneously included a `maxRows` element. This has been removed.

For example:

```
<xs:complexType name="getHostResp">
  <xs:sequence>
    <xs:element name="status" type="tns:statusType" minOccurs="0"/>
    <xs:element name="host" type="tns:hostType" minOccurs="0"/>
<xs:element name="maxRows" type="xs:int"/>
  </xs:sequence>
</xs:complexType>
```

Known Issues

Issues identified in this release, with workarounds where appropriate.

WSI-157

FUNCTIONS DO NOT RETURN ACCESS RULE ID (ARID) WHEN USED WITH MULTIPLE DOMAINS

The functions `addUserAccessRule`, `addUserClassAccessRule` and `createAccessPolicy` return the access rule ID (ARID) of the created access rule or policy. However, note that the multidomain variants of these functions do not return the ARID, since the ARID is specific to one domain and does not apply across domains.

#9591, #13404

`modifyUser passwordHash` CALLED TOGETHER WITH ANOTHER PARAMETER GENERATES INTERNAL SERVER ERROR

When you are running calls to the WSI operation `modifyUser` and combine the parameter `passwordHash` with any other parameters, the call fails with the message “internal server error”.

This is caused by an issue in WSI where the `passwordHash` parameter cannot be combined with other parameters. The workaround for this issue is to make two separate calls: one `modifyUser` for changing attributes and `setUserPassword` for setting the hash.

#4581

WSI SERVER ACTIVE AFTER BLOCKING ISSUING CA AND REVOKING CERTIFICATE

If the CA that issued the host certificate for the WSI server is blocked, and the certificate in the WSI server's host virtual card is revoked, the WSI services still run even after BoKS is rebooted and the service is restarted.

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Getting Support And Service

If you have a question about a specific item in this document, refer to the case number or title listed at the start of the item when you place your technical support call.

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