



# **Cisco BroadWorks**

## **Device Management**

### Tag Reference Guide

Release 23.0  
Document Version 2

## Notification

The BroadSoft BroadWorks has been renamed to Cisco BroadWorks. Beginning in September 2018, you will begin to see the Cisco name and company logo, along with the new product name on the software, documentation, and packaging. During this transition process, you may see both BroadSoft and Cisco brands and former product names. These products meet the same high standards and quality that both BroadSoft and Cisco are known for in the industry.

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## Document Revision History

Release	Version	Reason for Change	Date	Author
21.0	1	Created the document for Release 21.0.	February 25, 2014	Jean-Francois Laporte
21.0	1	Updated section <a href="#">3.2 Standard Users</a> for EV 225901.	June 6, 2014	Jean-Francois Laporte
21.0	1	Updated section <a href="#">3.3 Trunk Group Users</a> for EV 219192.	June 25, 2014	Réal Boivin
21.0	1	Updated section <a href="#">3.2 Standard Users</a> for EV 194286.	August 4, 2014	Supriya Herwadkar
21.0	1	Updated sections <a href="#">3.2 Standard Users</a> and <a href="#">3.4 Tags Supporting PRIMARY Keyword</a> for EV 236987.	October 2, 2014	Jean-Francois Laporte
21.0	1	Updated sections <a href="#">3.2 Standard Users</a> and <a href="#">4.1 Tag Provisioning</a> .	October 8, 2014	Jean-Francois Laporte
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22.0	1	Updated sections <a href="#">3.2 Standard Users</a> and <a href="#">4.2 Tag Population Reference Table</a> for BW-8224.	August 17, 2016	Jean-Francois Laporte
22.0	1	Updated sections <a href="#">3.2 Standard Users</a> and <a href="#">4.2 Tag Population Reference Table</a> for BW-10607.	August 18, 2016	Jean-Francois Laporte
22.0	1	Updated section <a href="#">3 Tag Definition</a> regarding tag resolution per Telephony Application Server (TAS).	August 19, 2016	Jean-Francois Laporte
22.0	1	Edited changes.	October 3, 2016	Joan Renaud
22.0	1	Updated the description of %BWSHAREDLINEx% and %BWSHAREDLINEX-PRIMARY% for PR-50598.	November 24, 2016	Michel Guénette
22.0	1	Edited changes and published document.	November 24, 2016	Joan Renaud
23.0	1	Updated document for Release 23.0.	July 17, 2018	Jean-Francois Laporte
23.0	1	Rebranded document for Cisco. Edited changes and published document.	September 21, 2018	Joan Renaud
23.0	2	Completed rebranding for Cisco and republished document.	March 18, 2019	Patricia Renaud

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## 1 Summary of Changes

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This section describes the changes to this document for each release and document version.

### 1.1 Changes for Release 23.0, Document Version 2

This version of the document includes the following change:

- Completed rebranding for Cisco and republished document.

### 1.2 Changes for Release 23.0, Document Version 1

This version of the document includes the following change:

- Created Release 23.0 version of the document.

### 1.3 Changes for Release 22.0, Document Version 1

This version of the document includes the following changes:

- Created Release 22.0 version of the document.
- Updated section [3.2 Standard Users](#) for and section [4.2 Tag Population Reference Table](#) for BW-8224.
- Updated section [3.2 Standard Users](#) for and section [4.2 Tag Population Reference Table](#) for BW-10607.
- Updated section [3 Tag Definition](#) regarding tag resolution per TAS.
- Updated the description of %BWSHAREDLINE-x% and %BWSHAREDLINE-PRIMARY% for PR-50598.

### 1.4 Changes for Release 21.0, Document Version 2

This version of the document includes the following change:

- Updated section [3.2 Standard Users](#) for PR-49986.

### 1.5 Changes for Release 21.0, Document Version 1

This version of the document includes the following changes:

- Created the document for Release 21.0.
- Updated section [3.2 Standard Users](#) for EV 225901.
- Updated section [3.3 Trunk Group Users](#) for EV 219192.
- Updated section [3.2 Standard Users](#) for EV 194286.
- Updated sections [3.2 Standard Users](#) and [3.4 Tags Supporting PRIMARY Keyword](#) for EV 236987.
- Updated sections [3.2 Standard Users](#) and [4.1 Tag Provisioning](#).

## 2 Purpose

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The purpose of this document is to be the reference for all tags supported in Device Management providing definitions and provisioning sources. Some visual aids are provided for some of the most commonly used tags with regards to the Web Portal.



## 3 Tag Definition

### 3.1 Legacy Tags

*Table 1* shows a list of the legacy tags supported by the system. Note that all legacy tags are still supported in the new Device Management.

Table 1 Legacy Tags

Tags
%BWAUTHPASSWORD-x%
%BWAUTHUSER-x%
%BWCLID-x%
%BWDEVICEID%
%BWDISPLAYNAMECLID%
%BWDISPLAYNAMEDN%
%BWDISPLAYNAMELINEPORT%
%BWDN-x%
%BWEXTENSION-x%
%BWFILESERVERDIR%
%BWFILESERVERLOCATION%
%BWFIRSTNAME-x%
%BWHOST-x%
%BWLASTNAME-x%
%BWLINEPORT-x%
%BWLINEPORTHOST-x%
%BWNAME-x%
%BWSERVERADDRESS%
%BWSHAREDLINE-x%
%BWSOFTWARELOAD%
%BWTIMESTAMP%

## 3.2 Standard Users

*Table 2* shows all available tags for standard users and *Table 3* shows all available tags for trunk group users. Both tables provide a definition as well as the service to which the tag is associated.

**NOTE 1:** Device Management currently supports the following variables, where “x” is an integer between 1 through 1024 that specifies the line number in the device. The Provisioning Server does not resolve variables where “x” is greater than 1024. It simply replaces these variables with an empty string “” in the resulting file.

**NOTE 2:** A tag will only be resolved if the service associated to the tag (when applicable) is available on the Telephony Application Server (TAS) (AS or XS mode). For a list of service availability per Telephony Application Server (TAS), see the *Cisco BroadWorks Service Guide* [1].

Table 2 List of Tags Used for Standard Users

Variable	Service	Definition
%BWDN-x%		The subscriber's directory number (DN) is retrieved from the phone number in the user's profile.
%BWEXTENSION-x%		The subscriber's extension is retrieved from the extension provisioned in the user's profile. If an extension has not been provisioned, the tag is replaced with the subscriber's phone number (DN).
%BWCLID-x%		Calling Line ID (CLID) (first name, last name) is retrieved from the Calling Line ID <i>First/Last Name</i> fields in the user's profile. The CLID first and last names are concatenated together.
%BWLINEPORT-x%		The line port is provisioned on the device that is assigned to the user. This tag does not include the domain portion of the provisioned line port. It is retrieved from the user's profile.
%BWHOST-x%		This is the domain portion of the provisioned line port for the device assigned to the user. It is retrieved from the user's profile. When the BWHOST tag is used, the domain for the assigned device must be routable via the Domain Name System (DNS) server.
%BWLINEPORTHOST-x%		The line port and domain are provisioned on the device that is assigned to the user. The line port and domain are concatenated together to create a valid address (for example, linePort@domain). The @ symbol is included. This is retrieved from the user's profile.
%BWNAME-x%		This is the subscriber's first name and last name in the user's profile. The first and last names are concatenated together.
%BWLASTNAME-x%		This is the subscriber's last name in the user's profile.
%BWFIRSTNAME-x%		This is the subscriber's first name in the user's profile.

Variable	Service	Definition
%BWSHAREDLINE-x%		<p>This indicates whether a line is shared or private.</p> <p>If the line is the main endpoint of a user that has Executive Assistant, the line is shared.</p> <p>If the subscriber has been assigned Shared Call Appearance, this tag is used in the configuration file to indicate that the line is shared. The lines provisioned on the Shared Call Appearance page are set to "Shared" in their configuration file.</p> <p>If Shared Call Appearance has not been assigned, the line is considered private.</p> <p>Note that in the main device for the user the tag will also be affected by the Shared Call Appearance status (shared or private), but only the SCA device files are rebuilt by a SCA status change. As such, a manual rebuild is required for the primary device to reflect the tag value.</p>
%BWSHAREDLINE-ENABLED-x% Synonyms: % BWSHAREDLINE-BOOL-x% % BWSHAREDLINE-BINARY-x% % BWSHAREDLINE-SWITCH-x%		<p>This indicates whether a line is shared (see %BWSHAREDLINE-x%).</p> <p>This is "Yes" when a line is shared; otherwise, it is "No".</p> <ul style="list-style-type: none"> <li>• BOOL = True/False</li> <li>• BINARY = 1/0</li> <li>• SWITCH = On/Off</li> </ul>
%BWAUTHUSER-x%		<p>This is the authentication user name. If the subscriber has been assigned authentication, this is the provisioned user ID on the <i>Authentication</i> page regardless of the selected authentication mode of the device type.</p>
%BWAUTHPASSWORD-x%		<p>This is the user's authentication password. If the subscriber has been assigned authentication, this is the provisioned password on the <i>Authentication</i> page regardless of the selected authentication mode value of the device type.</p>
%BWSOFTWARELOAD%		<p>This is the device software load. It is currently not supported.</p>
%BWDEVICEID%		<p>This is the provisioned device ID. This is the device name on the <i>Device Add</i> page. It is typically used as a comment in the configuration template file. The device ID is not unique system wide. The same device ID can be used in different groups and service providers/enterprises in the system. To have a tag that uniquely identifies a device, use %BWFQDEVICEID%.</p>
%BWTIMESTAMP%		<p>This is the time when the file was built. Cisco template files use the time stamp as the "sync" value. It can also be used as a comment in the configuration file.</p>
%BWDISPLAYNAMECLID%		<p>This is the CLID of the first private line, opposed to a shared line (Shared Call Appearance).</p> <p>CLID (first name, last name) is retrieved from Calling Line ID <i>First/Last Name</i> fields in the user's profile.</p> <p>The first and last names are concatenated together.</p> <p>This can be used as the display name on the phone.</p>
%BWDISPLAYNAMELINEPORT%		<p>This is the line/port of the first private line, as opposed to a shared line (Shared Call Appearance).</p> <p>This is the line port provisioned on the device assigned to the user. This is retrieved from the user's profile.</p> <p>This can be used as the display name on the phone.</p>

Variable	Service	Definition
%BWDISPLAYNAMEDN%		<p>This is the directory number (DN), which is the phone number of the first private line, as opposed to a shared line (Shared Call Appearance).</p> <p>The subscriber's DN is retrieved from the phone number in the user's profile.</p> <p>This can be used as the display name on the phone.</p>
%BWSERVERADDRESS%		<p>This is the access cluster host name or if the cluster host name is not provisioned, the value is the public IP address. For the access cluster host name to be used, the <i>bw.sip.accessclustercontacthost</i> start-up parameter must be set.</p> <p>Both the access cluster host name and public IP address can be found in the start-up parameters. Use the CLI command to view the startup parameters.</p> <p>This is used as the proxy server address in the configuration file.</p>
%BWFILESERVERLOCATION%		<p>This tag resolves to the host or IP address of the FTP or Profile Server where the configuration files are stored.</p>
%BWFILESERVERDIR%		<p>This is the base directory where the configuration files are stored on the FTP or Profile Server.</p> <p>The %BWFILESERVERDIR% tag resolves to the directory name provisioned.</p>

Variable	Service	Definition
%BWVOICE-PORTAL-NUMBER-x%	Voice Portal	<p>This is the phone number of the group voice portal associated with the line.</p> <ul style="list-style-type: none"> <li>If the voice portal only has an extension, then this number is simply the extension.</li> <li>If there is no group voice portal, it is empty.</li> <li>If Third-Party Voice Mail Support is assigned and enabled for the group, the Third-Party Voice Mail server number is used instead.</li> </ul> <p>The rules for using the system voice portal information to populate the tag are as follows:</p> <ul style="list-style-type: none"> <li>The first rule is that there is no group voice portal or third-party voice mail available for the line and the system voice portal license is valid.</li> <li>If there is only one system voice portal on the system, its data is used to fill every device's <i>BWVOICE_PORTAL_NUMBER</i>.</li> <li>If there is a network voice portal number, the network voice portal number is used.</li> <li>If there is no network voice portal number, the system voice portal number is used.</li> <li>If there are more than one system voice portal, the language for the line port's user is queried.</li> <li>If no language is chosen, the default system voice portal is used. The network voice portal number is used first. If the network voice portal number is not provisioned, the system voice portal number is used.</li> <li>If there is no system voice portal that matches the chosen language, the default system voice portal is used. Its network voice portal number is used first. If the network voice portal number is not provisioned, the system voice portal number is used.</li> <li>If there is one system voice portal that matches the chosen language, this system voice portal is used. Its network voice portal number is used first. If the network voice portal number is not provisioned, the system voice portal number is used.</li> <li>If there is more than one system voice portal that matches the language, if one happens to be the default system voice portal, its data is used.</li> <li>If none of them is the default, but only one has a network voice portal number, this one is used. If more than one has a network voice portal number, the first one (ordered by ID, with an alphabetical case-sensitive ordering) is used.</li> <li>If none of them has a network voice portal number, the first one (ordered by ID, with an alphabetical case-sensitive ordering) is used.</li> </ul>
%BWVOICE-PORTAL-EXTENSION-x%	Voice Portal	<p>This is the extension of the group voice portal associated with the line.</p> <p>If there is no group voice portal, it is empty.</p>
%BWVOICE-MAIL-ENABLED-x% Synonyms: %BWVOICE-MAIL-BOOL-x% %BWVOICE-MAIL-BINARY-x% %BWVOICE-MAIL-SWITCH-x%	Voice Mail	<p>This is "Yes" if voice mail is assigned to this user and is enabled; it is "No" otherwise.</p> <ul style="list-style-type: none"> <li>BOOL = True/False</li> <li>BINARY = 1/0</li> <li>SWITCH = On/Off</li> </ul>

Variable	Service	Definition
%BWBLF-URI-x%	Busy Lamp Field	This is the fully qualified Busy Lamp Field URI value of the associated line, including the "sip:" URI delimiter and the @ symbol, in the form of "sip:blfuser@blfdomain". If Busy Lamp Field is not assigned, enabled, or configured for the line, then this is blank.
%BWBLF-USER-x%	Busy Lamp Field	This is the user portion of the Busy Lamp Field URI without the "sip:" URI delimiter. If Busy Lamp Field is not assigned, enabled, or configured for the line, then this is blank.
%BWBLF-DOMAIN-x%	Busy Lamp Field	This is the domain portion of the Busy Lamp Field URI without the "sip:" URI delimiter. If Busy Lamp Field is not assigned, enabled, or configured for the line, then this is blank.
%BWBLF-ENABLED-x% Synonyms: %BWBLF-BOOL-x% %BWBLF-BINARY-x% %BWBLF-SWITCH-x%	Busy Lamp Field	This is "Yes" if the Busy Lamp Field service is assigned and configured on the line; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-BRIDGING-ENABLED-x% Synonyms: %BWSCA-BRIDGING-BOOL-x% %BWSCA-BRIDGING-BINARY-x% %BWSCA-BRIDGING-SWITCH-x%	Shared Call Appearance	This is "Yes" if the Shared Call Appearance Barge-In feature is enabled for this appearance; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-CALL-RETRIEVE-ENABLED-x% Synonyms: %BWSCA-CALL-RETRIEVE-BOOL-x% %BWSCA-CALL-RETRIEVE-BINARY-x% %BWSCA-CALL-RETRIEVE-SWITCH-x%	Shared Call Appearance	This is "Yes" if the Shared Call Appearance Call Retrieve feature is enabled for this appearance; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-LINE-STATUS-ENABLED-x% Synonyms: %BWSCA-LINE-STATUS-BOOL-x% %BWSCA-LINE-STATUS-BINARY-x% %BWSCA-LINE-STATUS-SWITCH-x%	Shared Call Appearance	This is "Yes" if the Shared Call Appearance line status monitoring capability is enabled for this appearance; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-OUTGOING-ENABLED-x% Synonyms: %BWSCA-OUTGOING-BOOL-x% %BWSCA-OUTGOING-BINARY-x% %BWSCA-OUTGOING-SWITCH-x%	Shared Call Appearance	This is "Yes" if outgoing calls are enabled on this appearance; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>

Variable	Service	Definition
%BWSCA-INCOMING-ENABLED-x% Synonyms: %BWSCA-INCOMING-BOOL-x% %BWSCA-INCOMING-BINARY-x% %BWSCA-INCOMING-SWITCH-x%	Shared Call Appearance	This is "Yes" if incoming calls are enabled on this appearance; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-LOCATION-ENABLED-x% Synonyms: %BWSCA-LOCATION-BOOL-x% %BWSCA-LOCATION-BINARY-x% %BWSCA-LOCATION-SWITCH-x%	Shared Call Appearance	This is "Yes" if this appearance location is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWALIAS-[1-3]-x%	Address Aliases	This evaluates to the corresponding alias of the line. If the corresponding alias is not set, then this is blank.
%BWALTNUMBER-[1-10]-x%	Alternate Numbers	This evaluates to the corresponding alternate number. If the corresponding alternate number is not set or if the service is not assigned, then this is blank.
%BWDND-ENABLED-x% Synonyms: %BWDND-BOOL-x% %BWDND-BINARY-x% %BWDND-SWITCH-x%	Do Not Disturb	This is "Yes" if the Do Not Disturb service is assigned to the line and is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWCFA-ENABLED-x% Synonyms: %BWCFA-BOOL-x% %BWCFA-BINARY-x% %BWCFA-SWITCH-x%	Call Forwarding Always	This is "Yes" if the Call Forwarding Always service is assigned to the line and is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWCPC-x%	Calling Party Category	This evaluates to the calling party category assigned to the line.
%BWFAC-ADVICE-OF-CHARGE-ACTIVATE-x%	Advice Of Charge	This evaluates to the configured feature access code with the prefix for Advice of Charge activation.
%BWFAC-AUTO-CALLBACK-DEACTIVATE-x%	Automatic Callback	This evaluates to the configured feature access code with the prefix for Automatic Callback deactivation.
%BWFAC-AUTO-CALLBACK-MENU-ACCESS-x%	Automatic Callback	This evaluates to the configured feature access code with the prefix for Automatic Callback menu access.
%BWFAC-CFA-ACTIVATE-x%	Call Forwarding Always	This evaluates to the configured feature access code with the prefix for Call Forwarding Always activation.
%BWFAC-CFA-DEACTIVATE-x%	Call Forwarding Always	This evaluates to the configured feature access code with the prefix for Call Forwarding Always deactivation.
%BWFAC-CFA-TO-VM-ACTIVATE-x%	Call Forwarding Always/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Always to Voice Mail activation.
%BWFAC-CFA-TO-VM-DEACTIVATE-x%	Call Forwarding Always/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Always to Voice Mail deactivation.
%BWFAC-CFA-INTERROGATION-x%	Call Forwarding Always	This evaluates to the configured feature access code with the prefix for Call Forwarding Always Interrogation.

Variable	Service	Definition
%BWFAC-CFB-ACTIVATE-x%	Call Forwarding Busy	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy activation.
%BWFAC-CFB-DEACTIVATE-x%	Call Forwarding Busy	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy deactivation.
%BWFAC-CFB-TO-VM-ACTIVATE-x%	Call Forwarding Busy/ Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy to Voice Mail activation.
%BWFAC-CFB-TO-VM-DEACTIVATE-x%	Call Forwarding Busy/ Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy to Voice Mail deactivation.
%BWFAC-CFB-INTERROGATION-x%	Call Forwarding Busy	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy Interrogation.
%BWFAC-CFNA-ACTIVATE-x%	Call Forwarding No Answer	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer activation.
%BWFAC-CFNA-DEACTIVATE-x%	Call Forwarding No Answer	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer deactivation.
%BWFAC-CFNA-TO-VM-ACTIVATE-x%	Call Forwarding No Answer/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer to Voice Mail activation.
%BWFAC-CFNA-TO-VM-DEACTIVATE-x%	Call Forwarding No Answer/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer to Voice Mail deactivation.
%BWFAC-CFNA-INTERROGATION-x%	Call Forwarding No Answer	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer Interrogation.
%BWFAC-CFNR-ACTIVATE-x%	Call Forwarding Not Reachable	This evaluates to the configured feature access code with the prefix for Call Forwarding Not Reachable activation.
%BWFAC-CFNR-DEACTIVATE-x%	Call Forwarding Not Reachable	This evaluates to the configured feature access code with the prefix for Call Forwarding Not Reachable deactivation.
%BWFAC-CFNR-INTERROGATION-x%	Call Forwarding Not Reachable	This evaluates to the configured feature access code with the prefix for Call Forwarding Not Reachable Interrogation.
%BWFAC-CLID-DELIVERY-BLOCKING-PER-CALL-x%	Calling Line ID Delivery Blocking	This evaluates to the configured feature access code with the prefix for Calling Line ID Blocking per call.
%BWFAC-CLID-BLOCKING-PERSISTENT-ACTIVATE-x%	Calling Line ID Delivery Blocking	This evaluates to the configured feature access code with the prefix for Calling Line ID Blocking persistent activation.
%BWFAC-CLID-BLOCKING-PERSISTENT-DEACTIVATE-x%	Calling Line ID Delivery Blocking	This evaluates to the configured feature access code with the prefix for Calling Line ID Blocking persistent deactivation.
%BWFAC-CLID-DELIVERY-PER-CALL-x%	Calling Line ID Delivery	This evaluates to the configured feature access code with the prefix for Calling Line ID Delivery per call activation.
%BWFAC-CALL-PARK-x%	Call Park	This evaluates to the configured feature access code with the prefix for Call Park.



Variable	Service	Definition
%BWFAC-CALL-PARK-RETRIEVE-x%	Call Park	This evaluates to the configured feature access code with the prefix for Call Park Retrieve.
%BWFAC-CALL-PICKUP-x%	Call Pickup	This evaluates to the configured feature access code with the prefix for Call Pickup.
%BWFAC-CALL-RETURN-x%	Call Return	This evaluates to the configured feature access code with the prefix for Call Return.
%BWFAC-CALL-RETURN-NUMBER-DELETE-x%	Call Return	This evaluates to the configured feature access code with the prefix for Call Return Number Deletion.
%BWFAC-CW-PERSISTENT-ACTIVATE-x%	Call Waiting	This evaluates to the configured feature access code with the prefix for Call Waiting persistent activation.
%BWFAC-CW-PERSISTENT-DEACTIVATE-x%	Call Waiting	This evaluates to the configured feature access code with the prefix for Call Waiting persistent deactivation.
%BWFAC-CANCEL-CW-x%	Call Waiting	This evaluates to the configured feature access code with the prefix for cancel Call Waiting.
%BWFAC-CLEAR-MWI-x%	Voice Mail	This evaluates to the configured feature access code with the prefix for clearing the message waiting indicator.
%BWFAC-COT-x%	Customer Originated Trace	This evaluates to the configured feature access code with the prefix for Customer Originated Trace.
%BWFAC-DIRECTED-CALL-PICKUP-x%	Directed Call Pickup	This evaluates to the configured feature access code with the prefix for Directed Call Pickup.
%BWFAC-DIRECTED-CALL-PICKUP-WITH-BARGE-IN-x%	Directed Call Pickup With Barge-In	This evaluates to the configured feature access code with the prefix for Directed Call Pickup with Barge-In.
%BWFAC-DIRECT-VM-TRANSFER-x%	Voice Mail	This evaluates to the configured feature access code with the prefix for Direct Transfer To Voice Mail.
%BWFAC-DIVERSION-INHIBITOR-x%	Diversion Inhibitor	This evaluates to the configured feature access code with the prefix for Diversion Inhibitor.
%BWFAC-DND-ACTIVATE-x%	Do Not Disturb	This evaluates to the configured feature access code with the prefix for Do Not Disturb activation.
%BWFAC-DND-DEACTIVATE-x%	Do Not Disturb	This evaluates to the configured feature access code with the prefix for Do Not Disturb deactivation.
%BWFAC-FLASH-CALL-HOLD-x%	Flash Call Hold	This evaluates to the configured feature access code with the prefix for Flash Call Hold.
%BWFAC-HUNTGROUP-BUSY-ACTIVATE-x%	Hunt Group	This evaluates to the configured feature access code with the prefix for Hunt Group busy activation.
%BWFAC-HUNTGROUP-BUSY-DEACTIVATE-x%	Hunt Group	This evaluates to the configured feature access code with the prefix for Hunt Group busy deactivation.
%BWFAC-HUNTGROUP-BUSY-INTERROGATION-x%	Hunt Group	This evaluates to the configured feature access code with the prefix for Hunt Group busy interrogation.
%BWFAC-LAST-NUMBER-REDIAL-x%	Last Number Redial	This evaluates to the configured feature access code with the prefix for Last Number Redial.
%BWFAC-MOH-PER-CALL-DEACTIVATE-x%	Music On Hold	This evaluates to the configured feature access code with the prefix for per-call Music On Hold deactivation.
%BWFAC-NO-ANSWER-TIMER-x%	Not applicable	This evaluates to the configured feature access code with the prefix for setting the answer timer (number of rings) per call.

Variable	Service	Definition
%BWFAC-PER-CALL-ACCOUNT-CODE-x%	Auth/Account Codes	This evaluates to the configured feature access code with the prefix for per-call account codes.
%BWFAC-PUSH-TO-TALK-x%	Push To Talk	This evaluates to the configured feature access code with the prefix for Push To Talk.
%BWFAC-CALL-BRIDGE-x%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for Call Bridge.
%BWFAC-CALL-RETRIEVE-x%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for Call Retrieve.
%BWFAC-LOCATION-CONTROL-ACTIVATE-x%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for location control activation.
%BWFAC-LOCATION-CONTROL-DEACTIVATE-x%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for location control deactivation.
%BWFAC-SPEED-DIAL-100-x%	Speed Dial 100	This evaluates to the configured feature access code for Speed Dial 100.
%BWFAC-SPEED-DIAL-100-PREFIX-x%	Speed Dial 100	This evaluates to the configured prefix for Speed Dial 100.
%BWFAC-SPEED-DIAL-8-x%	Speed Dial 8	This evaluates to the configured feature access code with the prefix for Speed Dial 8.
%BWFAC-SUSTAINED-AUTH-CODE-ACTIVATE-x%	Authorization/ Account Codes	This evaluates to the configured feature access code with the prefix for sustained Authorization Code activation.
%BWFAC-SUSTAINED-AUTH-CODE-DEACTIVATE-x%	Authorization/ Account Codes	This evaluates to the configured feature access code with the prefix for sustained Authorization Code deactivation.
%BWFAC-VOICE-PORTAL-ACCESS-x%	Voice Portal	This evaluates to the configured feature access code with the prefix for Voice Portal access.
%BWFAC-BROADWORKS-ANYWHERE-E164-DIALING-x%	BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for BroadWorks Anywhere "+" sign replacement in an E.164 number.
%BWFAC-GROUP-CALL-PARK-x%	Group Call Park	This evaluates to the configured feature access code with the prefix for Group Call Park.
%BWFAC-FORCED-FORWARDING-ACTIVATE-x%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Forced Forwarding activation.
%BWFAC-FORCED-FORWARDING-DEACTIVATE-x%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Forced Forwarding deactivation.
%BWFAC-NIGHT-SERVICE-ACTIVATE-MANUAL-OVERRIDE-x%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Night Service Manual Override activation.
%BWFAC-NIGHT-SERVICE-DEACTIVATE-MANUAL-OVERRIDE -x%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Night Service Manual Override deactivation.

Variable	Service	Definition
%BWFAC-CFS-ACTIVATE-x%	Selective Call Forwarding	This evaluates to the configured feature access code with the prefix for Selective Call Forwarding activation.
%BWFAC-CFS-DEACTIVATE-x%	Selective Call Forwarding	This evaluates to the configured feature access code with the prefix for Selective Call Forwarding deactivation.
%BWFAC-MONITORING-NEXT-CALL%	Monitoring Next Call	This evaluates to the configured feature access code with the prefix for Monitoring Next Call.
%BWFAC-MOBILITY-CALL-ANCHORING-ACTIVATION-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Call Anchoring activation.
%BWFAC-MOBILITY-CALL-ANCHORING-ACTIVATION-PER_CALL-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Call Anchoring Activation Per Call.
%BWFAC-MOBILITY-CALL-ANCHORING-DEACTIVATION-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Call Anchoring deactivation.
%BWFAC-MOBILITY-CALL-ANCHORING-DEACTIVATION-PER_CALL-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Call Anchoring Deactivation Per Call.
%BWFAC-MOBILITY-CALLING-LINE-ID-ACTIVATION-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Calling Line ID activation.
BWFAC-MOBILITY-CALLING-LINE-ID-ACTIVATION-PER-CALL-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Calling Line ID Activation Per Call.
%BWFAC-MOBILITY-CALLING-LINE-ID-DEACTIVATION-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Calling Line ID deactivation.
%BWFAC-MOBILITY-CALLING-LINE-ID-DEACTIVATION-PER-CALL-x%	BroadWorks Mobility	This evaluates to the configured feature access code with the prefix for Mobility Calling Line ID Deactivation Per Call.
%BWFAC-NUM-PORTABILITY-ANNC-ACTIVATE-x%	Number Portability Announcement	This evaluates to the configured feature access code with the prefix for Number Portability Announcement activation.
%BWFAC-NUM-PORTABILITY-ANNC-DEACTIVATE-x%	Number Portability Announcement	This evaluates to the configured feature access code with the prefix for Number Portability Announcement deactivation.
%BWFAC-PUSH-NOTIFICATION-RETRIEVAL%	Push Notification Retrieval	This evaluates to the configured feature access code with the prefix for Push Notification Retrieval.
%BW_IMP_SERVICE_NET_ADDR ESS-x%	Integrated IM&P Third-party IM&P	This evaluates to the BroadCloud or third-party cloud service network address system parameter.
%BW_IMP_SERVICE_PORT-x%	Integrated IM&P Third-party IM&P	This evaluates to the BroadCloud or third-party cloud service port system parameter.
%BW_USER_IMP_ID-x%	Integrated IM&P Third-party IM&P	This evaluates to the user's IM&P ID.

Variable	Service	Definition
%BW_USER_IMP_PWD-x%	Integrated IM&P Third-party IM&P	This evaluates to the user's IM&P password.
%BWLOGIN-ID-x%	Not applicable	This evaluates to the user's login ID.
%BWTIMEZONE-x%	Not applicable	This evaluates to the user's selected time zone.
%BWLLANGUAGE-x%	Not applicable	This evaluates to the user's selected language.
%BWDEPARTMENT-x%	Not applicable	This evaluates to the department of the user (if applicable). Note that the variable is replaced with the department name only (without the parent department name).
%BWGROUP-x%	Not applicable	This evaluates to the name of the user's group.
%BWGROUPID-x%	Not applicable	This evaluates to the ID of the user's group.
%BWENTERPRISE-x%	Not applicable	This evaluates to the name of the user's enterprise (if applicable).
%BWENTERPRISEID-x%	Not applicable	This evaluates to the ID of the user's enterprise (if applicable).
%BWSERVICEPROVIDER-x%	Not applicable	This evaluates to the name of the user's service provider (if applicable).
%BWSERVICEPROVIDERID-x%	Not applicable	This evaluates to the ID of the user's service provider (if applicable).
%BWDEVICEUSERNAME%	Not applicable	This evaluates to the user name used by the device to access files on BroadWorks.
%BW_FILE_<file type>%	Not applicable	This evaluates to the file name of the file defined at the device-type level, where <file type> is the configured file type (key) for this file. The file name is actually the resolved file format, and not the resolved remote file format on the repository.
%BWDEVICEACCESSFQDN%	Not applicable	This evaluates to the Xtended Services Platform (Xsp) fully qualified domain name (FQDN) provisioned at the device-type level.
%BWDEVICEACCESSPORT%	Not applicable	This evaluates to the device access port number provisioned at the device-type level.
%BWDMSCONTEXT%	Not applicable	This evaluates to the Xtended Services Platform Device Management context name provisioned at the device-type level.
%BWDEVICEACCESSURI%	Not applicable	This evaluates to the device access path URI provisioned at the device-type level.
%BWASCLUSTERFQDN%	Not applicable	This evaluates to the Application Server cluster FQDN provisioned system-wide for the purpose of IP Device Configuration Management.
%BWLINE-ENABLED-x% Synonyms: %BWLINE-BOOL-x% %BWLINE-BINARY-x% %BWLINE-SWITCH-x%	Not applicable	This is "Yes" if there is a line port assigned on a device in Cisco BroadWorks; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>

Variable	Service	Definition
%BWFQDEVICEID%	Not applicable	This is an ID uniquely identifying a device (Fully Qualified Device ID). This tag resolves to the following value: <ul style="list-style-type: none"> <li>&lt;device ID&gt; (System) for system devices</li> <li>&lt;device ID&gt; (SP &lt;service provider ID&gt;) for service provider/enterprise devices</li> <li>&lt;device ID&gt; (Group &lt;service provider ID&gt;-&lt;group ID&gt;) for group devices</li> </ul>
%BWDIALPLAN-PUBLIC-DIGIT-MAP-x%	Not applicable	This evaluates to the system, service provider/enterprise, or group public digit map that corresponds to the line.
%BWDIALPLAN-PRIVATE-DIGIT-MAP-x%	Not applicable	This evaluates to the system, service provider/enterprise, or group private digit map that corresponds to the line.
%BWDIALPLAN-OUTSIDE-ACCESS-CODE-[1-5]-x%	Not applicable	This maps to the system, service provider/enterprise, or group outside access codes with <i>enable secondary dial tone</i> attribute set, which corresponds to the line.
%BWNWORK-CONFERENCE-SIPURI-X%	Network Conferencing	This is the network conferencing SIP URI for the current user.
%BWNWORK-CONFERENCE-SIPURI-USERNAME-X%	Network Conferencing	This is the user part of the network conferencing SIP URI for the current user.
%BWNWORK-CONFERENCE-SIPURI-DOMAIN-X%	Network Conferencing	This is the domain part of the network conferencing SIP URI for the current user.
%BWDFS-ENABLED-x% Synonyms: %BWDFS-BOOL-x% %BWDFS-BINARY-x% %BWDFS-SWITCH-x%	Device Feature Synchronization	This is "Yes" if the Device Feature Synchronization feature is active; it is "No" otherwise. <ul style="list-style-type: none"> <li>BOOL = True/False</li> <li>BINARY = 1/0</li> <li>SWITCH = On/Off</li> </ul>
%BWNATIONALPREFIX-x%	Not applicable	This is the national prefix associated with the user. Example: 1
%BWCOUNTRYCODE-x%	Not applicable	This is the country code associated with the user. Example: 1
%BWE164-x%	Not applicable	This is the E164 number associated with the user. Example: +15143330004
%BWMAXCONFPARTIES%	Not applicable	This is maximum number of conference parties involved in a single conference on the system. Example: 6
%BWCALLTRANSFER-ENABLED-x% Synonyms: %BWCALLTRANSFER-BOOL-x% %BWCALLTRANSFER-BINARY-x% %BWCALLTRANSFER-SWITCH-x%	Call Transfer	This is "Yes" if the Call Transfer service is assigned to the user and is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>BOOL = True/False</li> <li>BINARY = 1/0</li> <li>SWITCH = On/Off</li> </ul>

Variable	Service	Definition
%BWDFS-CALL-DECLINE-ENABLED-x% Synonyms: %BWDFS-CALL-DECLINE-BOOL-x% %BWDFS-CALL-DECLINE-BINARY-x% %BWDFS-CALL-DECLINE-SWITCH-x%	Call Decline	This is "Yes" if the Device Feature Synchronization is active for Call Decline; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWHOTELINGMODE-x%		This tag resolves as follows: <ol style="list-style-type: none"> <li>1. If the device profile is the primary location of a user and this user has the Hoteling Host service assigned</li> <li>2. If the device profile is the primary location of a Flexible Seating Host virtual subscriber</li> <li>3. If the device profile is the flexible seating location of a guest</li> <li>0. Otherwise</li> </ol> Example: BWHOTELINGMODE-1 = 1
%BWHOTELINGLINE-x%		This tag resolves to the line number of %BWHOTELINGMODE-x%. This tag should follow the standard device line limits. Example: BWHOTELINGLINE-1 = 1
%BWFLEXIBLESEATINGUNLOCKPIN-x%		This tag resolves to the PIN code defined in the Flexible Seating Guest service. Example: BWFLEXIBLESEATINGUNLOCKPIN-1 = 1234
%BWPRIVATEID-x%		The private ID of the endpoint associated with line/port "x" of the device. This tag is only available in XS TAS. Example: user1@myDomain.net

### 3.3 Trunk Group Users

Table 3 List of Tags Used for Trunk Group Users

Variable	Service	Definition
%BWTRUNKDN-x%	Trunk Group	The subscriber's directory number (DN) is retrieved from the phone number in the user's profile. Example: 5143330001
%BWTRUNKEXTENSION-x%	Trunk Group	The subscriber's extension is retrieved from the extension provisioned in the user's profile. If an extension has not been provisioned, the tag is replaced with the subscriber's phone number (DN). Example: 0001
%BWTRUNKLINEPORT-x%	Trunk Group	The line port is provisioned on the device that is assigned to the user. This tag does not include the domain portion of the provisioned line port. It is retrieved from the user's profile. Example: 5143330001

Variable	Service	Definition
%BWTRUNKHOST-x%	Trunk Group	This is the domain portion of the provisioned line port for the device assigned to the user. It is retrieved from the user's profile. When the BWTRUNKHOST tag is used, the domain for the assigned device must be routable via the Domain Name System (DNS) server. Example: broadworks
%BWTRUNKLINEPORTHOST-x%	Trunk Group	The line port and domain are provisioned on the device that is assigned to the user. The line port and domain are concatenated together to create a valid address (for example, linePort@domain). The @ symbol is included. This is retrieved from the user's profile. Example: 5143330001@broadworks
%BWTRUNKFIRSTNAME-x%	Trunk Group	This is the subscriber's first name in the user's profile. Example: Martin
%BWTRUNKLASTNAME-x%	Trunk Group	This is the subscriber's last name in the user's profile. Example: Smith
%BWTRUNKNAME-x%	Trunk Group	This is the subscriber's first name and last name in the user's profile. The first and last names are concatenated together. Example: Martin Smith
%BWTRUNKCLID-x%	Trunk Group	The Calling Line ID (CLID) (first name, last name) is retrieved from the Calling Line ID <i>First/Last Name</i> fields in the user's profile. The CLID first and last names are concatenated together. Example: Martin Smith
%BWTRUNK-GROUP-SIPAUTHUSERNAME-x%	Trunk Group	This is the SIP authorization user name for the trunk group line to which the current user is assigned. Example: trunk1_user
%BWTRUNK-GROUP-SIPAUTHPASSWORD-x%	Trunk Group	This is the SIP authorization password for the trunk group to which the current user is assigned. Example: trunk1_Alpha
%BWTRUNKNATIONALPREFIX-x%	Trunk Group	This is the national prefix associated with the user. Example: 1
%BWTRUNKCOUNTRYCODE-x%	Trunk Group	This is the country code associated with the user. Example: 1
%BWTRUNKE164-x%	Trunk Group	This is the E164 number associated with the user. Example: +15143330001
%BWTRUNKDN-PILOT%	Trunk Group	The subscriber's directory number (DN) is retrieved from the phone number in the pilot user's profile. Example: 5143330001
%BWTRUNKFIRSTNAME-PILOT%	Trunk Group	This is the subscriber's first name in the pilot user's profile. Example: Martin
%BWTRUNKLASTNAME-PILOT%	Trunk Group	This is the subscriber's last name in the pilot user's profile. Example: Smith

Variable	Service	Definition
%BWTRUNKCLID-PILOT%	Trunk Group	The Calling Line ID (CLID) (first name, last name) is retrieved from the Calling Line ID <i>First/Last Name</i> fields in the pilot user's profile. The CLID first and last names are concatenated together. Example: Martin Smith
%BWTRUNKNAME-PILOT%	Trunk Group	This is the subscriber's first name and last name in the pilot user's profile. The first and last names are concatenated together. Example: Martin Smith
%BWTRUNKLINEPORT-PILOT%	Trunk Group	The line port is provisioned on the device that is assigned to the pilot user. This tag does not include the domain portion of the provisioned line port. It is retrieved from the pilot user's profile. Example: 5143330001
%BWTRUNKHOST-PILOT%	Trunk Group	This is the domain portion of the provisioned line port for the device assigned to the pilot user. It is retrieved from the pilot user's profile. When the BWTRUNKHOST tag is used, the domain for the assigned device must be routable via the Domain Name System (DNS) server. Example: broadworks
%BWTRUNKLINEPORTHOST-PILOT%	Trunk Group	The line port and domain are provisioned on the device that is assigned to the pilot user. The line port and domain are concatenated together to create a valid address (for example, linePort@domain). The @ symbol is included. This is retrieved from the pilot user's profile. Example: 5143330001@broadworks
%BWTRUNKNATIONALPREFIX-PILOT%	Trunk Group	This is the national prefix associated with the pilot user. Example: 1
%BWTRUNKCOUNTRYCODE-PILOT%	Trunk Group	This is the country code associated with the pilot user. Example: 1
%BWTRUNKE164-PILOT%	Trunk Group	This is the E164 number associated with the pilot user. Example: +15143330001
%BWTRUNKEXTENSION-PILOT%	Trunk Group	The subscriber's extension is retrieved from the extension provisioned in the pilot user's profile. If an extension has not been provisioned, the tag is replaced with the subscriber's phone number (DN). Example: 0001
%BWTRUNK-GROUP-SIPAUTHUSERNAME-PILOT%	Trunk Group	This is the SIP authorization user name for the trunk group line to which the pilot user is assigned. Example: trunk1_user
%BWTRUNK-GROUP-SIPAUTHPASSWORD-PILOT%	Trunk Group	This is the SIP authorization password for the trunk group to which the pilot user is assigned. Example: trunk1_Alpha



### 3.4 Tags Supporting PRIMARY Keyword

A new PRIMARY keyword is added to tags that use line numbering (that is, -x formatting). *Table 4* lists the tags that support the new format.

Table 4 List of Tags that Support PRIMARY Keyword

Variable	Service	Definition
%BWDN-PRIMARY%		The subscriber's directory number (DN) for the primary line retrieved from the phone number in the user's profile.
%BWEXTENSION-PRIMARY%		The subscriber's extension for the primary line is retrieved from the extension provisioned in the user's profile. If an extension has not been provisioned, the tag is replaced with the primary subscriber's phone number.
%BWCLID-PRIMARY%		Calling Line ID (CLID) (first name, last name) is retrieved from the Calling Line ID <i>First/Last Name</i> fields in the user's profile for the primary line. The CLID first and last names are concatenated together.
%BWLINEPORT-PRIMARY%		The primary line port is provisioned on the device that is assigned to the user. This tag does not include the domain portion of the provisioned line port. It is retrieved from the user's profile.
%BWHOST-PRIMARY%		This is the domain portion of the provisioned primary line port for the device assigned to the user. It is retrieved from the primary user's profile. When the <i>BWHOST</i> tag is used, the domain for the assigned device must be routable via the Domain Name System (DNS) server.
%BWLINEPORTHOST-PRIMARY%		The primary line port and domain are provisioned on the device that is assigned to the user. The primary line port and domain are concatenated together to create a valid address (for example, linePort@domain). The @ symbol is included. This is retrieved from the primary user's profile.
%BWNAME-PRIMARY%		This is the subscriber's first name and last name in the user's profile for the primary line. The first and last names are concatenated together.
%BWLASTNAME-PRIMARY%		This is the subscriber's last name in the user's profile for the primary line.
%BWFIRSTNAME-PRIMARY%		This is the subscriber's first name in the user's profile for the primary line.
%BWSHAREDLINE-PRIMARY%		This indicates whether a primary line is shared or private. If the line is the main endpoint of a user that has Executive Assistant, then the line is shared. If the subscriber has been assigned Shared Call Appearance, this tag is used in the configuration file to indicate that the primary line is shared. Only the lines provisioned on the <i>Shared Call Appearance</i> page are set to "Shared" in the configuration file. If Shared Call Appearance has not been assigned, then the line is considered private.
%BWAUTHUSER-PRIMARY%		This is the authentication user name for the primary line. If the subscriber has been assigned Authentication, this is the provisioned user ID on the <i>Authentication</i> page.

Variable	Service	Definition
%BWAUTHPASSWORD-PRIMARY%		This is the user's authentication password for the primary line. If the subscriber has been assigned Authentication, this is the provisioned password on the <i>Authentication</i> page.
%BWVOICE-PORTAL-NUMBER-PRIMARY%	Voice Portal	This is the phone number of the group voice portal associated with the primary line. <ul style="list-style-type: none"> <li>If the voice portal only has an extension, then this number is simply the extension.</li> <li>If there is no group voice portal, it is empty.</li> <li>If Third-Party Voice Mail Support is assigned and enabled for the group, the Third-Party Voice Mail server number is used instead.</li> </ul>
%BWVOICE-PORTAL-EXTENSION-PRIMARY%	Voice Portal	This is the extension of the group voice portal associated with the line. If there is no group voice portal, it is empty.
%BWVOICE-MAIL-ENABLED-PRIMARY% Synonyms: %BWVOICE-MAIL-BOOL-PRIMARY% %BWVOICE-MAIL-BINARY-PRIMARY% %BWVOICE-MAIL-SWITCH-PRIMARY%	Voice Mail	This is "Yes" if voice mail is assigned to the user's primary line and is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>BOOL = True/False</li> <li>BINARY = 1/0</li> <li>SWITCH = On/Off</li> </ul>
%BWBLF-URI-PRIMARY%	Busy Lamp Field	This is the fully qualified Busy Lamp Field URI value of the primary line, including the "sip:" URI delimiter and the @ symbol, in the form "sip:blfuser@blfdomain". If Busy Lamp Field is not assigned, enabled, or configured for the primary line, then this is blank.
%BWBLF-USER-PRIMARY%	Busy Lamp Field	This is the user portion of the Busy Lamp Field URI without the "sip:" URI delimiter for the primary line. If Busy Lamp Field is not assigned, enabled, or configured for the primary line, then this is blank.
%BWBLF-DOMAIN-PRIMARY%	Busy Lamp Field	This is the domain portion of the Busy Lamp Field URI without the "sip:" URI delimiter. If Busy Lamp Field is not assigned, enabled, or configured for the primary line, then this is blank.
%BWBLF-ENABLED-PRIMARY% Synonyms: %BWBLF-BOOL-PRIMARY% %BWBLF-BINARY-PRIMARY% %BWBLF-SWITCH-PRIMARY%	Busy Lamp Field	This is "Yes" if the Busy Lamp Field service is assigned and configured on the primary line; it is "No" otherwise. <ul style="list-style-type: none"> <li>BOOL = True/False</li> <li>BINARY = 1/0</li> <li>SWITCH = On/Off</li> </ul>
%BWSCA-BRIDGING-ENABLED-PRIMARY% Synonyms: %BWSCA-BRIDGING-BOOL-PRIMARY% %BWSCA-BRIDGING-BINARY-PRIMARY% %BWSCA-BRIDGING-SWITCH-PRIMARY%	Shared Call Appearance	This is "Yes" if the Shared Call Appearance Barge-In feature is enabled for the primary line; it is "No" otherwise. <ul style="list-style-type: none"> <li>BOOL = True/False</li> <li>BINARY = 1/0</li> <li>SWITCH = On/Off</li> </ul>

Variable	Service	Definition
%BWSCA-CALL-RETRIEVE-ENABLED-PRIMARY% Synonyms: %BWSCA-CALL-RETRIEVE-BOOL-PRIMARY% %BWSCA-CALL-RETRIEVE-BINARY-PRIMARY% %BWSCA-CALL-RETRIEVE-SWITCH-PRIMARY%	Shared Call Appearance	This is "Yes" if the Shared Call Appearance Call Retrieve feature is enabled for the primary line; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-LINE-STATUS-ENABLED-PRIMARY% Synonyms: %BWSCA-LINE-STATUS-BOOL-PRIMARYx% %BWSCA-LINE-STATUS-BINARY-PRIMARY% %BWSCA-LINE-STATUS-SWITCH-PRIMARY%	Shared Call Appearance	This is "Yes" if the Shared Call Appearance primary line status monitoring capability is enabled for this appearance; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-OUTGOING-ENABLED-PRIMARY% Synonyms: %BWSCA-OUTGOING-BOOL-PRIMARY% %BWSCA-OUTGOING-BINARY-PRIMARY% %BWSCA-OUTGOING-SWITCH-PRIMARY%	Shared Call Appearance	This is "Yes" if outgoing calls are enabled on the primary line; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-INCOMING-ENABLED-PRIMARY% Synonyms: %BWSCA-INCOMING-BOOL-PRIMARY% %BWSCA-INCOMING-BINARY-PRIMARY% %BWSCA-INCOMING-SWITCH-PRIMARY%	Shared Call Appearance	This is "Yes" if incoming calls are enabled on the primary line; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWSCA-LOCATION-ENABLED-PRIMARY% Synonyms: %BWSCA-LOCATION-BOOL-PRIMARY% %BWSCA-LOCATION-BINARY-PRIMARY% %BWSCA-LOCATION-SWITCH-PRIMARY%	Shared Call Appearance	This is "Yes" if the primary line location is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWALIAS-[1-3]-PRIMARY%	Address Aliases	This evaluates to the corresponding alias of the primary line. If the corresponding alias is not set, then this is blank.
%BWALTNUMBER-[1-10]-PRIMARY%	Alternate Numbers	This evaluates to the corresponding alternate number for the primary line. If the corresponding alternate number is not set or if the service is not assigned, then this is blank.

Variable	Service	Definition
<b>%BWDND-ENABLED-PRIMARY%</b> Synonyms: %BWDND-BOOL-PRIMARY% %BWDND-BINARY-PRIMARY% %BWDND-SWITCH-PRIMARY%	Do Not Disturb	This is "Yes" if the Do Not Disturb service is assigned to the primary line and is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
<b>%BWCFA-ENABLED-PRIMARY%</b> Synonyms: %BWCFA-BOOL-PRIMARY% %BWCFA-BINARY-PRIMARY% %BWCFA-SWITCH-PRIMARY%	Call Forwarding Always	This is "Yes" if the Call Forwarding Always service is assigned to the primary line and is enabled; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
<b>%BWPC-PRIMARY%</b>	Calling Party Category	This evaluates to the calling party category assigned to the primary line.
<b>%BWFAC-ADVICE-OF-CHARGE-ACTIVATE-PRIMARY%</b>	Advice Of Charge	This evaluates to the configured feature access code with the prefix for Advice Of Charge activation for the primary line.
<b>%BWFAC-AUTO-CALLBACK-DEACTIVATE-PRIMARY%</b>	Automatic Callback	This evaluates to the configured feature access code with the prefix for Automatic Callback deactivation for the primary line.
<b>%BWFAC-AUTO-CALLBACK-MENU-ACCESS-PRIMARY%</b>	Automatic Callback	This evaluates to the configured feature access code with the prefix for Automatic Callback menu access for the primary line.
<b>%BWFAC-CFA-ACTIVATE-PRIMARY%</b>	Call Forwarding Always	This evaluates to the configured feature access code with the prefix for Call Forwarding Always activation on the primary line.
<b>%BWFAC-CFA-DEACTIVATE-PRIMARY%</b>	Call Forwarding Always	This evaluates to the configured feature access code with the prefix for Call Forwarding Always deactivation for the primary line.
<b>%BWFAC-CFA-TO-VM-ACTIVATE-PRIMARY%</b>	Call Forwarding Always/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Always to Voice Mail activation for the primary line.
<b>%BWFAC-CFA-TO-VM-DEACTIVATE-PRIMARY%</b>	Call Forwarding Always/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Always to Voice Mail deactivation for the primary line.
<b>%BWFAC-CFA-INTERROGATION-PRIMARY%</b>	Call Forwarding Always	This evaluates to the configured feature access code with the prefix for Call Forwarding Always Interrogation for the primary line.
<b>%BWFAC-CFB-ACTIVATE-PRIMARY%</b>	Call Forwarding Busy	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy activation for the primary line.
<b>%BWFAC-CFB-DEACTIVATE-PRIMARY%</b>	Call Forwarding Busy	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy deactivation for the primary line.
<b>%BWFAC-CFB-TO-VM-ACTIVATE-PRIMARY%</b>	Call Forwarding Busy / Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy to Voice Mail activation for the primary line.
<b>%BWFAC-CFB-TO-VM-DEACTIVATE-PRIMARY%</b>	Call Forwarding Busy / Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy to Voice Mail deactivation for the primary line.

Variable	Service	Definition
%BWFAC-CFB-INTERROGATION-PRIMARY%	Call Forwarding Busy	This evaluates to the configured feature access code with the prefix for Call Forwarding Busy Interrogation for the primary line.
%BWFAC-CFNA-ACTIVATE-PRIMARY%	Call Forwarding No Answer	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer activation for the primary line.
%BWFAC-CFNA-DEACTIVATE-PRIMARY%	Call Forwarding No Answer	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer deactivation for the primary line.
%BWFAC-CFNA-TO-VM-ACTIVATE-PRIMARY%	Call Forwarding No Answer/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer to Voice Mail activation for the primary line.
%BWFAC-CFNA-TO-VM-DEACTIVATE-PRIMARY%	Call Forwarding No Answer/Voice Mail	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer to Voice Mail deactivation for the primary line.
%BWFAC-CFNA-INTERROGATION-PRIMARY%	Call Forwarding No Answer	This evaluates to the configured feature access code with the prefix for Call Forwarding No Answer Interrogation for the primary line.
%BWFAC-CFNR-ACTIVATE-PRIMARY%	Call Forwarding Not Reachable	This evaluates to the configured feature access code with the prefix for Call Forwarding Not Reachable activation for the primary line.
%BWFAC-CFNR-DEACTIVATE-PRIMARY%	Call Forwarding Not Reachable	This evaluates to the configured feature access code with the prefix for Call Forwarding Not Reachable deactivation for the primary line.
%BWFAC-CLID-DELIVERY-BLOCKING-PER-CALL-PRIMARY%	Calling Line ID Delivery Blocking	This evaluates to the configured feature access code with the prefix for Calling Line ID Blocking per call on the primary line.
%BWFAC-CLID-BLOCKING-PERSISTENT-ACTIVATE-PRIMARY%	Calling Line ID Delivery Blocking	This evaluates to the configured feature access code with the prefix for Calling Line ID Blocking persistent activation for the primary line.
%BWFAC-CLID-BLOCKING-PERSISTENT-DEACTIVATE-PRIMARY%	Calling Line ID Delivery Blocking	This evaluates to the configured feature access code with the prefix for Calling Line ID Blocking persistent deactivation for the primary line.
%BWFAC-CLID-DELIVERY-PER-CALL-PRIMARY%	Calling Line ID Delivery	This evaluates to the configured feature access code with the prefix for Calling Line ID Delivery per call activation for the primary line.
%BWFAC-CALL-PARK-PRIMARY%	Call Park	This evaluates to the configured feature access code with the prefix for Call Park for the primary line.
%BWFAC-CALL-PARK-RETRIEVE-PRIMARY%	Call Park	This evaluates to the configured feature access code with the prefix for Call Park Retrieve for the primary line.
%BWFAC-CALL-PICKUP-PRIMARY%	Call Pickup	This evaluates to the configured feature access code with the prefix for Call Pickup for the primary line.
%BWFAC-CALL-RETURN-PRIMARY%	Call Return	This evaluates to the configured feature access code with the prefix for Call Return for the primary line.
%BWFAC-CALL-RETURN-NUMBER-DELETE-PRIMARY%	Call Return	This evaluates to the configured feature access code with the prefix for Call Return Number Deletion for the primary line.

Variable	Service	Definition
%BWFAC-CW-PERSISTENT-ACTIVATE-PRIMARY%	Call Waiting	This evaluates to the configured feature access code with the prefix for Call Waiting persistent activation for the primary line.
%BWFAC-CW-PERSISTENT-DEACTIVATE-PRIMARY%	Call Waiting	This evaluates to the configured feature access code with the prefix for Call Waiting persistent deactivation for the primary line.
%BWFAC-CANCEL-CW-PRIMARY%	Call Waiting	This evaluates to the configured feature access code with the prefix for cancel Call Waiting for the primary line.
%BWFAC-CLEAR-MWI-PRIMARY%	Voice Mail	This evaluates to the configured feature access code with the prefix for clearing the message waiting indicator for the primary line.
%BWFAC-COT-PRIMARY%	Customer Originated Trace	This evaluates to the configured feature access code with the prefix for Customer Originated Trace for the primary line.
%BWFAC-DIRECTED-CALL-PICKUP-PRIMARY%	Directed Call Pickup	This evaluates to the configured feature access code with the prefix for Directed Call Pickup for the primary line.
%BWFAC-DIRECTED-CALL-PICKUP-WITH-BARGE-IN-PRIMARY%	Directed Call Pickup With Barge-In	This evaluates to the configured feature access code with the prefix for Directed Call Pickup with Barge-In for the primary line.
%BWFAC-DIRECT-VM-TRANSFER-PRIMARY%	Voice Mail	This evaluates to the configured feature access code with the prefix for Direct Transfer To Voice Mail for the primary line.
%BWFAC-DIVERSION-INHIBITOR-PRIMARY%	Diversion Inhibitor	This evaluates to the configured feature access code with the prefix for Diversion Inhibitor for the primary line.
%BWFAC-DND-ACTIVATE-PRIMARY%	Do Not Disturb	This evaluates to the configured feature access code with the prefix for Do Not Disturb activation for the primary line.
%BWFAC-DND-DEACTIVATE-PRIMARY%	Do Not Disturb	This evaluates to the configured feature access code with the prefix for Do Not Disturb deactivation for the primary line.
%BWFAC-FLASH-CALL-HOLD-PRIMARY%	Flash Call Hold	This evaluates to the configured feature access code with the prefix for Flash Call Hold for the primary line.
%BWFAC-LAST-NUMBER-REDIAL-PRIMARY%	Last Number Redial	This evaluates to the configured feature access code with the prefix for Last Number Redial for the primary line.
%BWFAC-MOH-PER-CALL-DEACTIVATE-PRIMARY%	Music On Hold	This evaluates to the configured feature access code with the prefix for per-call Music On Hold deactivation for the primary line.
%BWFAC-NO-ANSWER-TIMER-PRIMARY%	Not applicable	This evaluates to the configured feature access code with the prefix for setting the answer timer (number of rings) per call for the primary line.
%BWFAC-PER-CALL-ACCOUNT-CODE-PRIMARY%	Auth/Account Codes	This evaluates to the configured feature access code with the prefix for per-call account codes for the primary line.
%BWFAC-PUSH-TO-TALK-x%	Push To Talk	This evaluates to the configured feature access code with the prefix for Push To Talk for the primary line.

Variable	Service	Definition
%BWFAC-CALL-BRIDGE-PRIMARY%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for Call Bridge for the primary line.
%BWFAC-CALL-RETRIEVE-PRIMARY%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for Call Retrieve for the primary line.
%BWFAC-LOCATION-CONTROL-ACTIVATE-PRIMARY%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for location control activation for the primary line.
%BWFAC-LOCATION-CONTROL-DEACTIVATE-PRIMARY%	Shared Call Appearance/ BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for location control deactivation for the primary line.
%BWFAC-SPEED-DIAL-100-PRIMARY%	Speed Dial 100	This evaluates to the configured feature access code for Speed Dial 100 for the primary line.
%BWFAC-SPEED-DIAL-100-PREFIX-PRIMARY%	Speed Dial 100	This evaluates to the configured prefix for Speed Dial 100 for the primary line.
%BWFAC-SPEED-DIAL-8-PRIMARY%	Speed Dial 8	This evaluates to the configured feature access code with the prefix for Speed Dial 8.
%BWFAC-SUSTAINED-AUTH-CODE-ACTIVATE-PRIMARY%	Authorization/A ccount Codes	This evaluates to the configured feature access code with the prefix for sustained Authorization Code activation for the primary line.
%BWFAC-SUSTAINED-AUTH-CODE-DEACTIVATE-PRIMARY%	Authorization/A ccount Codes	This evaluates to the configured feature access code with the prefix for sustained Authorization Code deactivation for the primary line.
%BWFAC-VOICE-PORTAL-ACCESS-PRIMARY%	Voice Portal	This evaluates to the configured feature access code with the prefix for voice portal access for the primary line.
%BWFAC-BROADWORKS-ANYWHERE-E164-DIALING-PRIMARY%	BroadWorks Anywhere	This evaluates to the configured feature access code with the prefix for BroadWorks Anywhere "+" sign replacement in an E.164 number for the primary line.
%BWFAC-GROUP-CALL-PARK-PRIMARY%	Group Call Park	This evaluates to the configured feature access code with the prefix for Group Call Park for the primary line.
%BWFAC-FORCED-FORWARDING-ACTIVATE-PRIMARY%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Forced Forwarding activation for the primary line.
%BWFAC-FORCED-FORWARDING-DEACTIVATE-PRIMARY%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Forced Forwarding deactivation for the primary line.
%BWFAC-NIGHT-SERVICE-ACTIVATE-MANUAL-OVERRIDE-PRIMARY%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Night Service Manual Override activation for the primary line.
%BWFAC-NIGHT-SERVICE-DEACTIVATE-MANUAL-OVERRIDE-PRIMARY%	Call Center	This evaluates to the configured feature access code with the prefix for Call Center Night Service Manual Override deactivation for the primary line.
%BWFAC-CFS-ACTIVATE-PRIMARY%	Selective Call Forwarding	This evaluates to the configured feature access code with the prefix for Selective Call Forwarding activation for the primary line.



Variable	Service	Definition
%BWFAC-CFS-DEACTIVATE-PRIMARY%	Selective Call Forwarding	This evaluates to the configured feature access code with the prefix for Selective Call Forwarding deactivation for the primary line.
%BWLOGIN-ID-PRIMARY%	Not applicable	This evaluates to the user's login ID on the primary line.
%BWTIMEZONE-PRIMARY%	Not applicable	This evaluates to the user's selected time zone for the primary line.
%BWLLANGUAGE-PRIMARY%	Not applicable	This evaluates to the user's selected language on the primary line.
%BWDEPARTMENT-PRIMARY%	Not applicable	This evaluates to the department of the user (if applicable) on the primary line. Note that the variable is replaced with the department name only (without the parent department name).
%BWGROUP-PRIMARY%	Not applicable	This evaluates to the name of the user's group on the primary line.
%BWGROUPID-PRIMARY%	Not applicable	This evaluates to the ID of the user's group on the primary line.
%BWENTERPRISE-PRIMARY%	Not applicable	This evaluates to the name of the user's enterprise (if applicable) on the primary line.
%BWENTERPRISEID-PRIMARY%	Not applicable	This evaluates to the ID of the user's enterprise (if applicable) on the primary line.
%BWSERVICEPROVIDER-PRIMARY%	Not applicable	This evaluates to the name of the user's service provider (if applicable) on the primary line.
%BWSERVICEPROVIDERID-PRIMARY%	Not applicable	This evaluates to the ID of the user's service provider (if applicable) on the primary line.
%BWLINE-ENABLED-PRIMARY% Synonyms: %BWLINE-BOOL-PRIMARY% %BWLINE-BINARY-PRIMARY% %BWLINE-SWITCH-PRIMARY%	Not applicable	This is "Yes" if there is a primary line port assigned on a device in Cisco BroadWorks; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>
%BWDIALPLAN-PUBLIC-DIGIT-MAP-PRIMARY%	Not applicable	This evaluates to the system, service provider/enterprise, or group public digit map that corresponds to the primary line.
%BWDIALPLAN-PRIVATE-DIGIT-MAP-PRIMARY%	Not applicable	This evaluates to the system, service provider/enterprise, or group private digit map that corresponds to the primary line.
%BWNETWORK-CONFERENC-SIPURI-PRIMARY%	Network Conferencing	This is the network conferencing SIP URI for the user on the primary line.
%BWNETWORK-CONFERENC-SIPURI-USERNAME-PRIMARY%	Network Conferencing	This is the user part of the network conferencing SIP URI for the user on the primary line.
%BWNETWORK-CONFERENC-SIPURI-DOMAIN-PRIMARY%	Network Conferencing	This is the domain part of the network conferencing SIP URI for the user on the primary line.
%BWDFS-ENABLED-PRIMARY% Synonyms: %BWDFS-BOOL-PRIMARY% %BWDFS-BINARY-PRIMARY% %BWDFS-SWITCH-PRIMARY%	Device Feature Synchronization	This is "Yes" if the Device Feature Synchronization feature is active; it is "No" otherwise. <ul style="list-style-type: none"> <li>▪ BOOL = True/False</li> <li>▪ BINARY = 1/0</li> <li>▪ SWITCH = On/Off</li> </ul>



Variable	Service	Definition
%BWHOTELINGMODE-PRIMARY%	Not applicable	<p>This tag resolves as follows:</p> <ol style="list-style-type: none"> <li>1 If the device profile is the primary location of a user and this user has the Hoteling Host service assigned.</li> <li>2 If the device profile is the primary location of a Flexible Seating Host virtual subscriber.</li> <li>3 If the device profile is the flexible seating location of a guest.</li> <li>0 Otherwise</li> </ol> <p>Example: BWHOTELINGMODE-PRIMARY = 1</p>
%BWHOTELINGLINE-PRIMARY%	Not applicable	<p>This tag resolves to the line number of the primary line/port. This tag should follow the standard device line limits.</p> <p>Example: BWHOTELINGLINE-PRIMARY = 3</p>
%BWFLEXIBLESEATINGUNLOCKPIN-PRIMARY%	Not applicable	<p>This tag resolves to the PIN code defined in the Flexible Seating Guest service for the primary line.</p> <p>Example: BWFLEXIBLESEATINGUNLOCKPIN-PRIMARY = 1234</p>

## 4 Tag Source

### 4.1 Tag Provisioning

The basic provisioning of tags requires these minimum steps:

- 1) Define a Device Type at the System level with appropriate template files uploaded.
- 2) At the System, Service Provider/Enterprise, and/or Group level, make sure a Device Profile is defined for the Device Type defined in step 1.
- 3) Make sure a user is assigned to the Device Profile.

For the resolution of the “Primary” tags, have the user assigned to the Device Profile set as the primary user.

### 4.2 Tag Population Reference Table

Table 5 provides information on how to provision tags. The *Populating OCI* column provides the OCI transaction responsible for populating the tag value. Those OCI transactions are listed in the form of “OCITransactionNameRequestXX” where XX represents the latest version of the transaction.

**NOTE 1:** Device Management currently supports the following variables, where “x” is an integer between 1 through 1024 that specifies the line number in the device. The Provisioning Server does not resolve variables where “x” is greater than 1024. It simply replaces these variables with an empty string “” in the resulting file.

**NOTE 2:** Only a sample of the commonly used tags have been populated in the *CLI Level* and *Web Portal* columns. The fact that the column is not populated for a given tag does not mean that it cannot be populated through the OCI or Web Portal, unless specified otherwise.

Table 5 Tag Source

Variable	Populating OCI	CLI Level	Web Portal
%BW_IMP_SERVICE_NET_ADRESS-x%	Whichever has a value first: GroupIntegratedIMPModifyRequestXX ServiceProviderIntegratedIMPModifyRequestXX SystemIntegratedIMPModifyRequestXX		
%BW_IMP_SERVICE_PORT-x%	SystemIntegratedIMPModifyRequestXX		
%BW_USER_IMP_ID-x%	UserIntegratedIMPModifyTransaction ID is a combination of UserID and service domain. User ID: UserModifyUserIdRequestXX Service Domain: GroupIntegratedIMPModifyRequestXX ServiceProviderIntegratedIMPModifyRequestXX SystemIntegratedIMPModifyRequestXX		
%BW_USER_IMP_PWD-x%	UserIntegratedIMPModifyTransaction		

Variable	Populating OCI	CLI Level	Web Portal
%BWALIAS-1-x%	UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>alias1</i>	
%BWALIAS-2-x%	UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>alias2</i>	
%BWALIAS-3-x%	UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>alias3</i>	
%BWALTNUMBER-1-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-2-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-3-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-4-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-5-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-6-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-7-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-8-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-9-x%	UserAlternateNumbersModifyRequestXX		
%BWALTNUMBER-10-x%	UserAlternateNumbersModifyRequestXX		
%BWASCLUSTERFQDN%	SystemCPEConfigParametersModifyRequestXX	AS_CLI/System/Device/IPDeviceMgmt/deviceAccessAppServerClusterName	
%BWAUTHPASSWORD-x%	UserAuthenticationModifyRequestXX	N/A	See <a href="#">Figure 5</a>
%BWAUTHUSER-x%	UserAuthenticationModifyRequestXX	N/A	See <a href="#">Figure 5</a>
%BWBLF-BINARY-x%	UserBusyLampFieldModifyRequest		
%BWBLF-BOOL-x%	UserBusyLampFieldModifyRequest		
%BWBLF-DOMAIN-x%	UserBusyLampFieldModifyRequest		
%BWBLF-ENABLED-x%	UserBusyLampFieldModifyRequest		
%BWBLF-SWITCH-x%	UserBusyLampFieldModifyRequest		
%BWBLF-URI-x%	UserBusyLampFieldModifyRequest	N/A	See <a href="#">Figure 6</a>
%BWBLF-USER-x%	UserBusyLampFieldModifyRequest		
%BWCALLRECORDING-ENABLED-x%	UserCallRecordingModifyRequestXX		
%BWCALLTRANSFER-ENABLED-x%	UserCallTransferModifyRequestXX		
%BWDIFS-CALL-DECLINE-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWCFA-BINARY-x%	UserCallForwardingAlwaysModifyRequest		
%BWCFA-BOOL-x%	UserCallForwardingAlwaysModifyRequest		
%BWCFA-ENABLED-x%	UserCallForwardingAlwaysModifyRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWCFA-SWITCH-x%	UserCallForwardingAlwaysModifyRequest		
%BWCLID-x%	UserAddRequestXX UserModifyRequestXX		
%BWCOUNTRYCODE-x%	UserAddRequestXX UserModifyRequestXX		
%BWPCPC-x%	UserCallingPartyCategoryModifyRequestXX		
%BWDEFAULTDEVICEACCESS SPROTOCOL%	SystemSIPDeviceTypeAddRequestXX SystemSIPDeviceTypeModifyRequestXX		
%BWCONTACTADDRESS%	No OCI. Set through the property "bw.sip.networkclustercontacthost" or %BWSERVERADDRESS%, if none defined. Config path: /cfg:broadworks/cfg:config/cfg:containers/cfg:execution/cfg:subsystems/cfg:executionServerSubsystem/cfg:sip/cfg:network/cfg:contact/cfg:host		
%BWDEPARTMENT-x%	UserAddRequestXX UserModifyRequestXX		
%BWDEVICEACCESSFQDN%	SystemSIPDeviceTypeAddRequestXX SystemSIPDeviceTypeModifyRequestXX	AS_CLI/System/DeviceType /SIP/add (or modify) Parameter: <i>deviceAccessFQDN</i>	See <a href="#">Figure 1</a>
%BWDEVICEACCESSPORT%	GroupAccessDeviceAddRequestXX GroupAccessDeviceModifyRequestXX ServiceProviderAccessDeviceAddRequestXX ServiceProviderAccessDeviceModifyRequestXX SystemAccessDeviceAddRequestXX SystemAccessDeviceModifyRequestXX	AS_CLI/System/DeviceType /SIP/add (or modify) Parameter: <i>deviceAccessPortNumber</i>	See <a href="#">Figure 1</a>
%BWDEVICEACCESSURI%	SystemSIPDeviceTypeAddRequestXX	AS_CLI/System/DeviceType /SIP/add (or set) Parameter: <i>deviceAccessURI</i>	See <a href="#">Figure 1</a>
%BWDEVICEID%	GroupAccessDeviceAddRequestXX ServiceProviderAccessDeviceAddRequestXX SystemAccessDeviceAddRequestXX	AS_CLI/SubscriberMgmt/Group/Device/add Parameter: <i>macAddress*</i> *Can also be found under the following levels: AS_CLI/SubscriberMgmt/ServiceProvider/Device AS_CLI/SubscriberMgmt/Device	See <a href="#">Figure 2</a>
%BWDEVICEUSERNAME%	EnterpriseSessionAdmissionControlGroupAddDeviceListRequestXX GroupAccessDeviceAddRequestXX ServiceProviderAccessDeviceAddRequestXX SystemAccessDeviceAddRequestXX		
%BWDFS-ACD-ENABLED-x%	UserDevicePoliciesModifyRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWDFS-CALLRECORDING-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-CFA-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-CFB-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-CFNA-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-DND-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-EA-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-EXECUTIVE-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDFS-SECCLASS-ENABLED-x%	UserDevicePoliciesModifyRequestXX		
%BWDIALPLAN-OUTSIDE-ACCESS-CODE-1-x%	GroupDialPlanPolicyAddAccessCodeRequestXX GroupDialPlanPolicyModifyAccessCodeRequestXX ServiceProviderDialPlanPolicyAddAccessCodeRequestXX ServiceProviderDialPlanPolicyModifyAccessCodeRequestXX SystemDialPlanPolicyAddAccessCodeRequestXX SystemDialPlanPolicyModifyAccessCodeRequestXX		
%BWDIALPLAN-OUTSIDE-ACCESS-CODE-2-x%	GroupDialPlanPolicyAddAccessCodeRequestXX GroupDialPlanPolicyModifyAccessCodeRequestXX ServiceProviderDialPlanPolicyAddAccessCodeRequestXX ServiceProviderDialPlanPolicyModifyAccessCodeRequestXX SystemDialPlanPolicyAddAccessCodeRequestXX SystemDialPlanPolicyModifyAccessCodeRequestXX		
%BWDIALPLAN-OUTSIDE-ACCESS-CODE-3-x%	GroupDialPlanPolicyAddAccessCodeRequestXX GroupDialPlanPolicyModifyAccessCodeRequestXX ServiceProviderDialPlanPolicyAddAccessCodeRequestXX ServiceProviderDialPlanPolicyModifyAccessCodeRequestXX SystemDialPlanPolicyAddAccessCodeRequestXX SystemDialPlanPolicyModifyAccessCodeRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWDIALPLAN-OUTSIDE-ACCESS-CODE-4-x%	GroupDialPlanPolicyAddAccessCodeRequestXX GroupDialPlanPolicyModifyAccessCodeRequestXX ServiceProviderDialPlanPolicyAddAccessCodeRequestXX ServiceProviderDialPlanPolicyModifyAccessCodeRequestXX SystemDialPlanPolicyAddAccessCodeRequestXX SystemDialPlanPolicyModifyAccessCodeRequestXX		
%BWDIALPLAN-OUTSIDE-ACCESS-CODE-5-x%	GroupDialPlanPolicyAddAccessCodeRequestXX GroupDialPlanPolicyModifyAccessCodeRequestXX ServiceProviderDialPlanPolicyAddAccessCodeRequestXX ServiceProviderDialPlanPolicyModifyAccessCodeRequestXX SystemDialPlanPolicyAddAccessCodeRequestXX SystemDialPlanPolicyModifyAccessCodeRequestXX		
%BWDIALPLAN-PRIVATE-DIGIT-MAP-x%	GroupDialPlanPolicyModifyRequestXX ServiceProviderDialPlanPolicyModifyRequestXX SystemDialPlanPolicyModifyRequestXX		
%BWDIALPLAN-PUBLIC-DIGIT-MAP-x%	GroupDialPlanPolicyModifyRequestXX ServiceProviderDialPlanPolicyModifyRequestXX SystemDialPlanPolicyModifyRequestXX		
%BWDISPLAYNAMECLID%	UserAddRequestXX UserModifyRequestXX		
%BWDISPLAYNAMEDN%	UserAddRequestXX UserModifyRequestXX		
%BWDISPLAYNAMELINEPORT%	UserAddRequestXX UserModifyRequestXX		
%BWDMSCONTEXT%	SystemSIPDeviceTypeAddRequestXX SystemSIPDeviceTypeModifyRequestXX	AS_CLI/System/DeviceType/SIP/add (or set) Parameter: <i>deviceAccessContextName</i>	See <a href="#">Figure 1</a>
%BWDN-x%	UserAddRequestXX UserModifyRequestXX		
%BWDND-ENABLED-x%	UserDoNotDisturbModifyRequestXX		
%BWE164-x%	UserAddRequestXX UserModifyRequestXX		
%BWENTERPRISE%	ServiceProviderAddRequestXX ServiceProviderGroupModifyRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWENTERPRISE-x%	ServiceProviderAddRequestXX ServiceProviderGroupModifyRequestXX		
%BWENTERPRISEID%	ServiceProviderAddRequestXX		
%BWENTERPRISEID-x%	ServiceProviderAddRequestXX ServiceProviderGroupModifyRequestXX		
%BWEXTENSION-x%	SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/Us er/add (or set) Parameter: <i>extension</i>	See <a href="#">Figure 3</a>
%BWFAC_VOICE_MAIL_RETR IEVAL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-ACR- INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-ADVICE-OF- CHARGE-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-ANONYMOUS- CALL-REJECTION-ACTIVATE- x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-ANONYMOUS- CALL-REJECTION- DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-AUTO-CALLBACK- DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-AUTO-CALLBACK- MENU_ACCESS-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		
%BWFAC-BROADWORKS- ANYWHERE-E164-DIALING-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyList RequestXX SystemFeatureAccessCodeModifyListRequest XX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-CALL-BRIDGE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALLCENTER-AGENT-ESCALATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALLCENTER-SILENT-MONITORING-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-PARK-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-PARK-RETRIEVE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-PICKUP-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-RECORDING-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-RECORDING-PAUSE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-RECORDING-RESUME-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-RECORDING-STOP-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		



Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-CALL-RETRIEVE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-RETURN-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CALL-RETURN-NUMBER-DELETE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CANCEL-CW-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFA-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFA-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFA-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFA-TO-VM-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFA-TO-VM-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFB-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-CFB-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFB-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFB-TO-VM-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFB-TO-VM-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNA-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNA-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNA-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNA-TO-VM-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNA-TO-VM-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNR-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-CFNR-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFNR-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFS-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CFS-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CLEAR-MWI-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CLID-BLOCKING-PERISSTENT-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CLID-BLOCKING-PERSISTENT-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CLID-DELIVERY-BLOCKING-PER-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CLID-DELIVERY-PER-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CLIR-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-COLR-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-COMM-BARRING-UC-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-COMM-BARRING-UC-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-COMM-BARRING-UC-QUERY-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-COT-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CW-PERSISTENT-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CW-PERSISTENT-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-CWT-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-DIRECTED-CALL-PICKUP-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-DIRECTED-CALL-PICKUP-WITH-BARGE-IN-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-DIRECT-VM-TRANSFER-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-DIVERSION-INHIBITOR-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-DND-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-DND-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-EXECUTIVE-ASSISTANT-CALL-PUSH-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-EXECUTIVE-ASSISTANT-INITIATE-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-EXECUTIVE-ASSISTANT-OPT-IN-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-EXECUTIVE-ASSISTANT-OPT-OUT-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-EXECUTIVE-CALL-FILTERING-ACTIVATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-EXECUTIVE-CALL-FILTERING-DEACTIVATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-FLASH-CALL-HOLD-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-FMFM-CALL-PUSH-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-FORCED-FORWARDING-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-FORCED-FORWARDING-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-GROUP-CALL-PARK-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-HUNTGROUP-BUSY-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-HUNTGROUP-BUSY-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-HUNTGROUP-BUSY-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-LAST-NUMBER-REDIAL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-LEGACY-AUTO-CALLBACK-CANCELLATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-LEGACY-AUTO-CALLBACK-INVOCATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-LOCATION-CONTROL-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-LOCATION-CONTROL-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MAKE-CALLCENTER_CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MAKE-PERSONAL-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOH-PER-CALL-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-NIGHT-SERVICE-ACTIVATE-MANUAL-OVERRIDE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-NIGHT-SERVICE-DEACTIVATE-MANUAL-OVERRIDE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-NO-ANSWER-TIMER-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-PER-CALL-ACCOUNT-CODE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-PUSH-TO-TALK-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SCA-CALL-RETRIEVE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SCA-LOCATION-CONTROL-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SCA-LOCATION-CONTROL-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SCR-INTERROGATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SPEED-DIAL-100-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SPEED-DIAL-100-PREFIX-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SPEED-DIAL-8-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SUSTAINED-AUTH-CODE-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-SUSTAINED-AUTH-CODE-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		



Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-VOICE-PORTAL-ACCESS-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALL-ANCHORING-ACTIVATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALL-ANCHORING-ACTIVATION-PER-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALL-ANCHORING-DEACTIVATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALL-ANCHORING-DEACTIVATION-PER-CALL-x	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALLING-LINE-ID-ACTIVATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALLING-LINE-ID-ACTIVATION-PER-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALLING-LINE-ID-DEACTIVATION-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-MOBILITY-CALLING-LINE-ID-DEACTIVATION-PER-CALL-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-NUM-PORTABILITY-ANNC-ACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWFAC-NUM-PORTABILITY-ANNC-DEACTIVATE-x%	GroupFeatureAccessCodeModifyRequestXX ServiceProviderFeatureAccessCodeModifyListRequestXX SystemFeatureAccessCodeModifyListRequestXX		
%BWFAC-PUSH-NOTIFICATION-RETRIEVAL%	SystemPushNotificationParametersModifyRequest		
%BWFILERESERVERDIR%	SystemCPEConfigAddFileServerRequestXX SystemCPEConfigModifyFileServerRequestXX SystemFileRepositoryDeviceAddRequestXX SystemFileRepositoryDeviceModifyRequestXX		
%BWFILERESERVERLOCATION%	SystemCPEConfigAddFileServerRequestXX SystemCPEConfigModifyFileServerRequestXX SystemFileRepositoryDeviceAddRequestXX SystemFileRepositoryDeviceModifyRequestXX		
%BWFIRSTNAME-x%	UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>firstName</i>	See <a href="#">Figure 4</a>
%BWFLEXIBLESEATINGUNLOCKPIN-x%	UserFlexibleSeatingGuestModifyRequestXX		
%BWFQDEVICEID%	GroupAccessDeviceAddRequestXX ServiceProviderAccessDeviceAddRequestXX SystemAccessDeviceAddRequestXX		
%BWGROUP%	GroupAddRequestXX GroupModifyRequestXX		
%BWGROUP-x%	GroupAddRequestXX GroupModifyRequestXX		
%BWGROUPID%	GroupAddRequestXX		
%BWGROUPID-x%	GroupAddRequestXX		
%BWHOST%	SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX		
%BWHOST-x%	SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>lineport*</i> <i>*Represents only the part after the @ symbol on the lineport parameter.</i>	See <a href="#">Figure 3</a>
%BWHOTELINGLINE-x%	No OCI. Line number of %BWHOTELINGMODE-x%		

Variable	Populating OCI	CLI Level	Web Portal
%BWHOTELINGMODE-x%	<p>Value of "1" if the line endpoint type is MAIN and the user has the hoteling host service assigned: UserHotelingHostModifyRequestXX</p> <p>Value of "2" if the line endpoint type is MAIN and the user is a flexible seating host: GroupFlexibleSeatingHostAddInstanceRequestXX GroupFlexibleSeatingHostModifyInstanceRequestXX</p> <p>Value of "3" if the line endpoint type is a flexible seating guest: UserFlexibleSeatingGuestModifyRequestXX</p> <p>Value of "0" otherwise.</p>		
%BWLLANGUAGE-x%	<p>UserAddRequestXX UserModifyRequestXX</p> <p>When none defined at user level, uses device type: SystemSIPDeviceTypeAddRequestXX SystemSIPDeviceTypeModifyRequestXX</p>	<p>AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>language</i></p>	See <a href="#">Figure 4</a>
%BWLASTNAME-x%	<p>UserAddRequestXX UserModifyRequestXX</p>	<p>AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>lastName</i></p>	See <a href="#">Figure 4</a>
%BWLINE-ENABLED-x%	<p>"True" when assigned to a device. GroupAccessDeviceAddRequestXX ServiceProviderAccessDeviceAddRequestXX SystemAccessDeviceAddRequestXX</p> <p>Otherwise, "false".</p>		
%BWLINEPORT-x%	<p>SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX</p>	<p>AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>lineport*</i> *Represents only the part before the @ symbol on the <i>lineport</i> parameter.</p>	See <a href="#">Figure 3</a>
%BWLINEPORTHOST-x%	<p>SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX</p>	<p>AS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>lineport</i></p>	
%BWLOGIN-ID-x%	UserModifyUserIdRequestXX		
%BWMACADDRESS%	<p>GroupAccessDeviceModifyRequestXX ServiceProviderAccessDeviceModifyRequestXX SystemAccessDeviceModifyRequestXX</p>	<p>AS_CLI/SubscriberMgmt/Group/Device/add (or set) Parameter: <i>macAddress*</i> *Can also be found under the following levels: AS_CLI/SubscriberMgmt/ServiceProvider/Device AS_CLI/SubscriberMgmt/Device</p>	See <a href="#">Figure 2</a>

Variable	Populating OCI	CLI Level	Web Portal
%BWMACADDRESSUPPER%	GroupAccessDeviceModifyRequestXX ServiceProviderAccessDeviceModifyRequestXX SystemAccessDeviceModifyRequestXX		
%BWMAXCONFPARTIES%	SystemCallProcessingModifyPolicyRequestXX		
%BWNAME-x%	UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/User/add (or set) Parameters: <i>firstName</i> + <i>lastName</i>	See <a href="#">Figure 4</a>
%BWNATIONALPREFIX-x%	UserAddRequestXX UserModifyRequestXX		
%BWNETWORK-CONFERENCE-SIPURI-x%	Tag only resolves if the n-way and/or three way feature is assigned to the user: ServiceProviderCallProcessingModifyPolicyRequestXX SystemCallProcessingModifyPolicyRequestXX		
%BWNETWORK-CONFERENCE-SIPURI-DOMAIN-x%	Tag only resolves if the n-way and/or three way feature is assigned to the user: ServiceProviderCallProcessingModifyPolicyRequestXX SystemCallProcessingModifyPolicyRequestXX		
%BWNETWORK-CONFERENCE-SIPURI-USERNAME-x%	Tag only resolves if the n-way and/or three way feature is assigned to the user: ServiceProviderCallProcessingModifyPolicyRequestXX SystemCallProcessingModifyPolicyRequestXX		
%BWSCA-BRIDGING-ENABLED-x%	UserSharedCallAppearanceModifyRequestXX False when feature not assigned to the user: UserSharedCallAppearanceModifyRequestXX		
%BWSCA-CALL-RETRIEVE-ENABLED-x%	UserSharedCallAppearanceModifyRequestXX False when feature not assigned to the user: UserSharedCallAppearanceModifyRequestXX		
%BWSCA-INCOMING-ENABLED-x%	UserSharedCallAppearanceModifyEndpointRequestXX False when feature not assigned to the user: UserSharedCallAppearanceModifyRequestXX		
%BWSCA-LINE-STATUS-ENABLED-x%	When the feature assigned to the user: "True" for a SCAP appearance. "False" for a primary appearance. UserAddRequestXX UserModifyRequestXX UserSharedCallAppearanceAddEndpointRequestXX UserSharedCallAppearanceModifyEndpointRequestXX "False" when the feature is not assigned to the user: UserSharedCallAppearanceModifyRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWSCA-LOCATION-ENABLED-x%	UserSharedCallAppearanceModifyEndpointRequestXX "False" when feature not assigned to the user: UserSharedCallAppearanceModifyRequestXX		
%BWSCA-OUTGOING-ENABLED-x%	UserSharedCallAppearanceModifyEndpointRequestXX "False" when feature not assigned to the user: UserSharedCallAppearanceModifyRequestXX		
%BWSECCLASS-ENABLED-x%	UserSecurityClassificationModifyRequestXX		
%BWSERVERADDRESS%	No OCI. Follows the following rule: Use property "bw.sip.ipphoneserveraddress" if valid. Use property "bw.sip.accessclustercontacthost" if valid. Use property "publicIPAddress" if valid. Starting from the top, whichever is defined first.		
%BWSERVICEPROVIDER%	ServiceProviderAddRequestXX ServiceProviderGroupModifyRequestXX		
%BWSERVICEPROVIDER-x%	ServiceProviderAddRequestXX ServiceProviderGroupModifyRequestXX		
%BWSERVICEPROVIDERID%	ServiceProviderAddRequestXX		
%BWSERVICEPROVIDERID-x%	ServiceProviderAddRequestXX		
%BWSHAREDLINE-x%	UserAddRequestXX UserFlexibleSeatingGuestModifyTransactionXX UserModifyRequestXX UserSharedCallAppearanceAddEndpointRequestXX UserSharedCallAppearanceModifyEndpointRequestXX		
%BWSHAREDLINE-ENABLED-x%	UserAddRequestXX UserFlexibleSeatingGuestModifyTransactionXX UserModifyRequestXX UserSharedCallAppearanceAddEndpointRequestXX UserSharedCallAppearanceModifyEndpointRequestXX		
%BWSOFTWARELOAD%	No OCI. Always set to "Unknown".		
%BWTIMESTAMP%	No OCI. Timestamp at the time of tag resolution.		
%BWTIMEZONE-x%	UserAddRequestXX UserModifyRequestXX	AS_CLI/SubscriberMgmt/Subscriber/add (or set) Parameter: <i>timeZone</i>	See <a href="#">Figure 4</a>

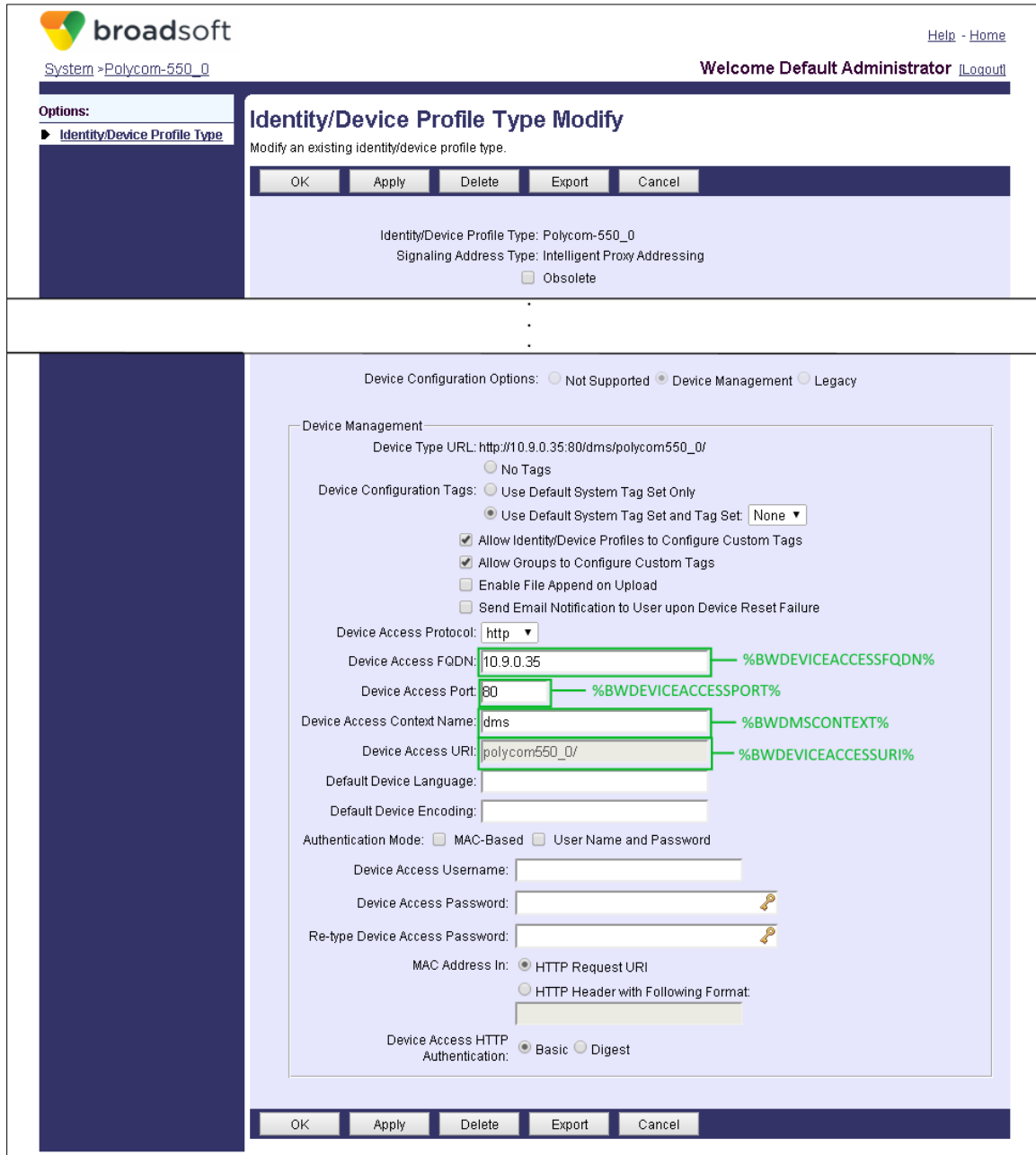
Variable	Populating OCI	CLI Level	Web Portal
%BWTRUNKCLID-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKCOUNTRYCODE-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKDN-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKE164-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKEXTENSION-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKFIRSTNAME-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNK-GROUP-SIPAUTHPASSWORD-x%	GroupTrunkGroupAddInstanceRequestXX GroupTrunkGroupModifyInstanceRequestXX		
%BWTRUNK-GROUP-SIPAUTHUSERNAME-x%	GroupTrunkGroupAddInstanceRequestXX GroupTrunkGroupModifyInstanceRequestXX		
%BWTRUNKHOST-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKLASTNAME-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKLINEPORT-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKLINEPORTHOST-x%	SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX		
%BWTRUNKNAME-x%	UserAddRequestXX UserModifyRequestXX		
%BWTRUNKNATIONALPREFIX-x%	UserAddRequestXX UserModifyRequestXX		
%BWVOICE-MAIL-ENABLED-x%	VMUSER / SystemVoicePortal_VMUSER UserVoiceMessagingUserModifyGreetingRequestXX UserVoiceMessagingUserModifyVoiceManagementRequestXX EXTVMUSER GroupThirdPartyVoiceMailSupportModifyRequestXX UserThirdPartyVoiceMailSupportModifyRequestXX		

Variable	Populating OCI	CLI Level	Web Portal
%BWVOICE-PORTAL-EXTENSION-x%	VMUSER: GroupAddRequestXX GroupAssignListRequestXX GroupVoiceMessagingGroupModifyVoicePortalRequestXX EXTVMUSER: GroupServiceModifyAuthorizationListRequestXX GroupThirdPartyVoiceMailSupportModifyRequestXX SystemVoicePortal_VMUSER: SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX		
%BWVOICE-PORTAL-NUMBER-x%	VMUSER: GroupAddRequestXX GroupAssignListRequestXX GroupVoiceMessagingGroupModifyVoicePortalRequestXX EXTVMUSER: GroupServiceModifyAuthorizationListRequestXX GroupThirdPartyVoiceMailSupportModifyRequestXX SystemVoicePortal_VMUSER: SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX		
%DEVICE_FILE%	SystemSIPDeviceTypeAddRequestXX		
%SYSTEM_FILE%	SystemSIPDeviceTypeAddRequestXX		
%BWPRIVATEID-x%	SystemSystemVoicePortalAddRequestXX SystemSystemVoicePortalModifyRequestXX UserAddRequestXX UserModifyRequestXX	PS_CLI/SubscriberMgmt/User/add (or set) Parameter: <i>lineport</i> *Represents only the part before the @ symbol on the <i>lineport</i> parameter.	See <a href="#">Figure 3</a>

## 5 Web Portal

The following figures present screen captures from CommPilot to show the screens from which the most commonly used tags are extracted.

### 5.1 Device Profile Type Add/Modify



**broadsoft** [Help](#) - [Home](#)

System > Polycorn-550\_0 **Welcome Default Administrator** [Logout](#)

**Options:**

- Identity/Device Profile Type

### Identity/Device Profile Type Modify

Modify an existing identity/device profile type.

OK Apply Delete Export Cancel

Identity/Device Profile Type: Polycorn-550\_0  
Signaling Address Type: Intelligent Proxy Addressing  
☐ Obsolete

Device Configuration Options: ☐ Not Supported ☒ Device Management ☐ Legacy

**Device Management**

Device Type URL:

☐ No Tags

Device Configuration Tags: ☐ Use Default System Tag Set Only  
☒ Use Default System Tag Set and Tag Set:

☒ Allow Identity/Device Profiles to Configure Custom Tags  
☒ Allow Groups to Configure Custom Tags  
☐ Enable File Append on Upload  
☐ Send Email Notification to User upon Device Reset Failure

Device Access Protocol:

Device Access FQDN:  — %BWDEVICEACCESSFQDN%

Device Access Port:  — %BWDEVICEACCESSPORT%

Device Access Context Name:  — %BWDMSCONTEXT%


Device Access URI:  — %BWDEVICEACCESSURI%


Default Device Language:

Default Device Encoding:

Authentication Mode: ☐ MAC-Based ☐ User Name and Password

Device Access Username:

Device Access Password:  

Re-type Device Access Password:  

MAC Address In: ☒ HTTP Request URI  
☐ HTTP Header with Following Format:

Device Access HTTP Authentication: ☒ Basic ☐ Digest

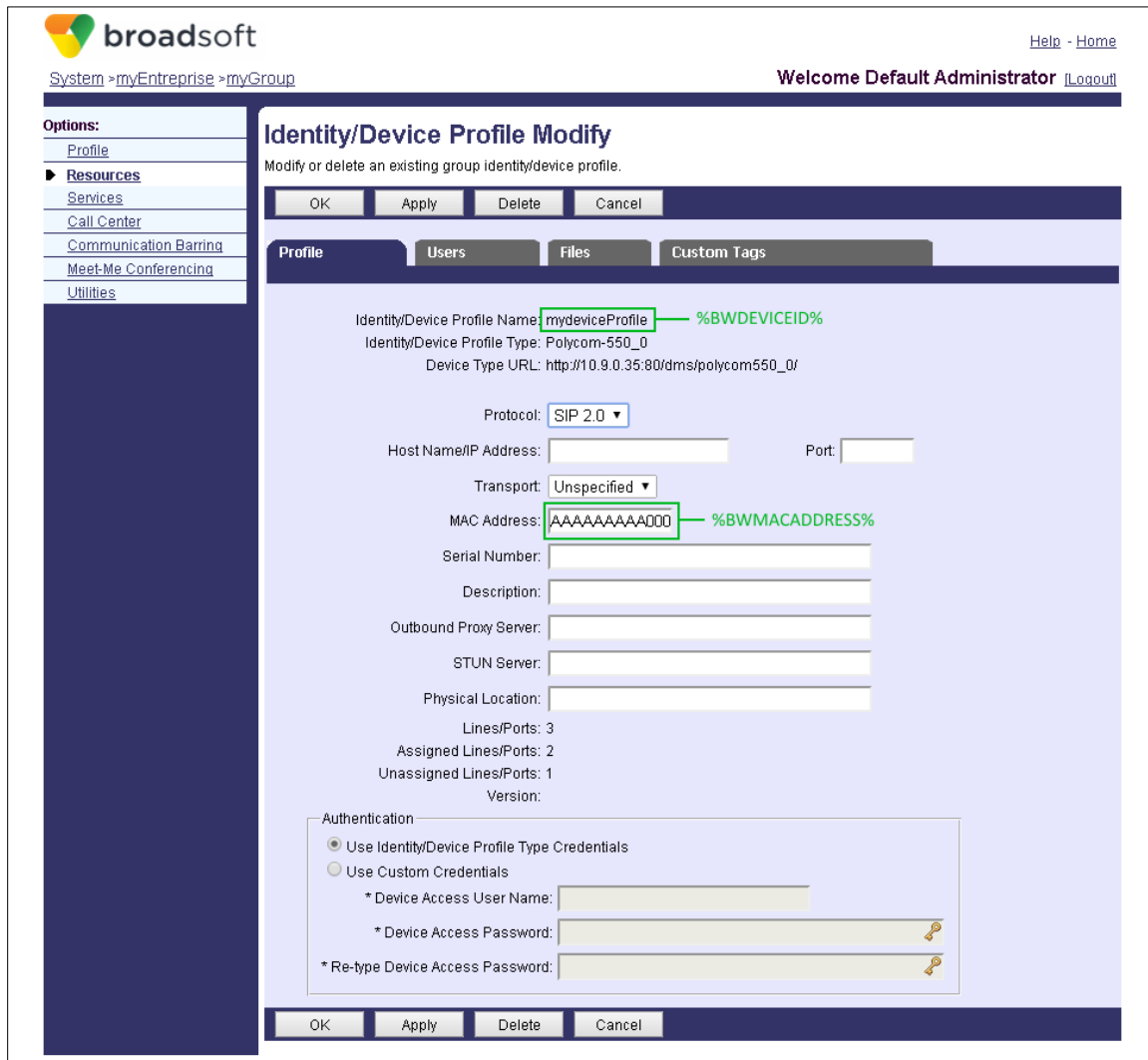
OK Apply Delete Export Cancel

Figure 1 Device Profile Type Add/Modify



## 5.2 Device Profile Add/Modify

Note that this device profile page can be found at three different levels: System, Service Provider/Enterprise, and Group (*Group* is shown in the following figure).



**broadsoft** [Help](#) - [Home](#)

[System](#) > [myEnterprise](#) > [myGroup](#) **Welcome Default Administrator** [Logout](#)

**Options:**

- [Profile](#)
- Resources**
- [Services](#)
- [Call Center](#)
- [Communication Barring](#)
- [Meet-Me Conferencing](#)
- [Utilities](#)

### Identity/Device Profile Modify

Modify or delete an existing group identity/device profile.

**Profile** **Users** **Files** **Custom Tags**

Identity/Device Profile Name:  — %BWDEVICEID%

Identity/Device Profile Type: Polycom-550\_0

Device Type URL: [http://10.9.0.35:80/dms/polycom550\\_0/](http://10.9.0.35:80/dms/polycom550_0/)

Protocol:

Host Name/IP Address:  Port:

Transport:

MAC Address:  — %BWMACADDRESS%

Serial Number:

Description:

Outbound Proxy Server:

STUN Server:

Physical Location:

Lines/Ports: 3

Assigned Lines/Ports: 2

Unassigned Lines/Ports: 1


Version:

**Authentication**

☒ Use Identity/Device Profile Type Credentials

☐ Use Custom Credentials

\* Device Access User Name:

\* Device Access Password:  



\* Re-type Device Access Password:  

Figure 2 Device Profile Add/Modify

## 5.3 User Addresses


[Help](#) - [Home](#)

[System](#) > [myEnterprise](#) > [myGroup](#) > [Users](#) : myUser

**Welcome Default Administrator** [Logout](#)

**Options:**

- Profile
- Incoming Calls
- Outgoing Calls
- Call Control
- Client Applications
- Messaging
- Service Scripts
- Utilities

### Addresses

Addresses allows you to view and maintain your phone number and other identities that are used to make and receive calls.


Phone Number: 5143333300 Activated  
Extension: 3300 %BWEXTENSION-x%  
☒ Identity/Device Profile ☐ Trunking ☐ None  

Identity/Device Profile  
Name: mydeviceProfile (Group) [Configure Identity/Device Profile](#)  
\* Line/Port: 5143333300 @ mtl2.broadsoft.com [AdvancedSettings](#)  
%BWLINEPORT-x% %BWHOST-x%

Aliases: sip: myUser@mtl2.broadsoft.com  
sip:  @ mtl2.broadsoft.com  
sip:  @ mtl2.broadsoft.com  
sip:  @ mtl2.broadsoft.com

Figure 3 User Addresses

## 5.4 User Profile Add/Modify


[Help](#) - [Home](#)

System > myEnterprise > myGroup > Users : myUser
Welcome Default Administrator [Logout](#)

**Options:**

- Profile
- Incoming Calls
- Outgoing Calls
- Call Control
- Client Applications
- Messaging
- Service Scripts
- Utilities

### Profile

Profile allows you to view and maintain your profile information. The information filled in specifies your primary phone number, extension, and device that are used for handling calls. Filling in the additional information section allows your mobile phone, pager, and other information to be visible to other group members in the group phone list. Some of this information can only be modified by your administrator.

OK Apply Delete Cancel

Service Provider ID: myEnterprise  
User ID: myUser  
\* Last Name:

Group: myGroup  
Change User ID (Also saves current screen data)  
\* First Name:

\* Calling Line ID Last Name: 
\* Calling Line ID First Name:

Name Dialing Last Name: 
Name Dialing First Name:

Department: 
Language:

Time Zone: 
Network Class of Service:


Additional Information

Title:   
Pager: 
Mobile:   
E-mail: 
YahooID:   
Location:   
Address:   
City: 
State/Province:   
Zip/Postal Code: 
Country:   
IM&P ID: 
Re-type IM&P Password:   
IM&P Password:

OK Apply Delete Cancel

Figure 4 User Profile Add/Modify

## 5.5 User Authentication



**broadsoft** [Help](#) - [Home](#)

[System](#) > [myEnterprise](#) > [myGroup](#) > [Users](#) : myUser **Welcome Default Administrator** [Logout](#)

**Options:**

- [Profile](#)
- [Incoming Calls](#)
- [Outgoing Calls](#)
- [Call Control](#)
- [Client Applications](#)
- [Messaging](#)
- [Service Scripts](#)
- [Utilities](#)
- [Communication Barring](#)

### Authentication

Authentication allows you to use encryption to safely determine that the user at a given phone is who they say they are. This helps prevent hijacking of service in hosted communications networks. The user name and password must match the user name and password configured on your phone, or in your phone's configuration file.

OK Apply Cancel

\* Authentication User Name:  — %BWAUTHUSER-x%

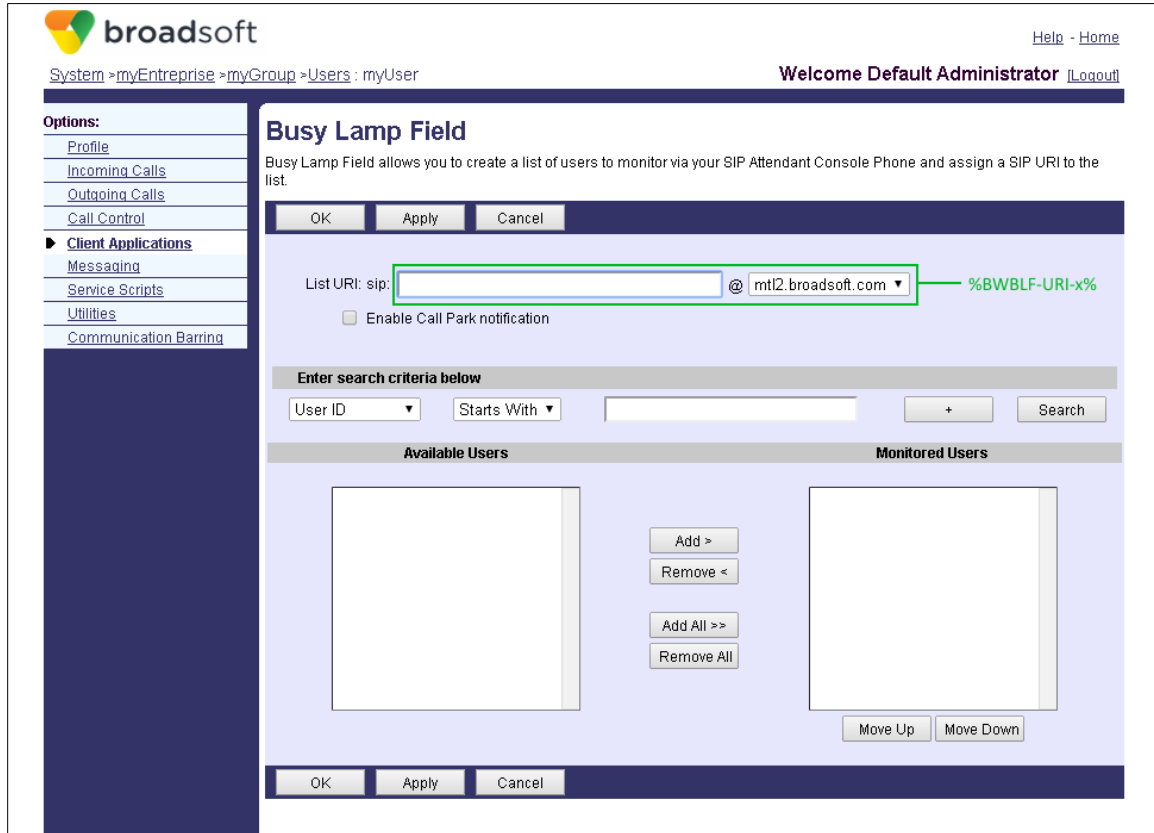
\* Type new authentication password:  🔑

\* Re-type new authentication password:  🔑 — %BWAUTHPASSWORD-x%

OK Apply Cancel

Figure 5 User Authentication

## 5.6 Busy Lamp Field



**broadsoft** [Help](#) - [Home](#)

System > myEnterprise > myGroup > Users : myUser **Welcome Default Administrator** [Logout](#)

**Options:**

- Profile
- Incoming Calls
- Outgoing Calls
- Call Control
- Client Applications
- Messaging
- Service Scripts
- Utilities
- Communication Barring

### Busy Lamp Field

Busy Lamp Field allows you to create a list of users to monitor via your SIP Attendant Console Phone and assign a SIP URI to the list.

OK Apply Cancel

List URI: sip:  @ mt12.broadsoft.com [%BWBLF-URI-x%](#)

☐ Enable Call Park notification

**Enter search criteria below**

User ID  Starts With

Available Users		Monitored Users
<div></div>	<input type="button" value="Add &gt;"/> <input type="button" value="Remove &lt;"/> <input type="button" value="Add All &gt;&gt;"/> <input type="button" value="Remove All"/>	<div></div>
		<input type="button" value="Move Up"/> <input type="button" value="Move Down"/>

OK Apply Cancel

Figure 6 Busy Lamp Field

## 6 References

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- [1] Cisco Systems, Inc. 2019. *Cisco BroadWorks Service Guide, Release 23.0*. Available from Cisco at [xchange.broadsoft.com](https://xchange.broadsoft.com).