



# **BlackBerry Web Services for BlackBerry UEM**

## **Compatibilty with BlackBerry Dynamics SOAP APIs**

12.10



# Contents

**BlackBerry UEM compatibility with the BlackBerry Dynamics SOAP APIs..... 4**

**Legal notice..... 9**

# BlackBerry UEM compatibility with the BlackBerry Dynamics SOAP APIs

## Note:

The BlackBerry Web Services SOAP APIs are still supported and released with every version of BlackBerry UEM, but are officially in maintenance mode. See the [BlackBerry Web Services 12.9 SOAP API reference](#) for complete information about the supported legacy SOAP APIs.

If your organization uses the BlackBerry Web Services SOAP APIs, going forward BlackBerry recommends transitioning to the [BlackBerry Web Services REST APIs](#). The REST APIs are updated with new functionality in every BlackBerry UEM release.

The following changes apply to the BlackBerry Dynamics SOAP APIs (GC SOAP and CAP SOAP) when you integrate BlackBerry UEM version 12.6 MR1 or later with a Good Control server:

- All BlackBerry Dynamics SOAP APIs that are not listed below have been removed, as equivalent functionality is provided by the BlackBerry Web Services SOAP and REST APIs
- All BlackBerry Dynamics MDM REST APIs have been removed
- BlackBerry Dynamics APIs are available on BlackBerry UEM API port 18084 by default
- Access the required wsdl's at the following URLs:
  - Good Control SOAP APIs: **[https://<UEM\\_server\\_FQDN>:18084/gc/services/GCService.wsdl](https://<UEM_server_FQDN>:18084/gc/services/GCService.wsdl)**
  - CAP SOAP APIs: **[https://<UEM\\_server\\_FQDN>:18084/gc/soaproxy/cap.wsdl](https://<UEM_server_FQDN>:18084/gc/soaproxy/cap.wsdl)**
- For more information about making web services calls, see the [Getting Started Guide for making Web Services calls](#).
- Port 18084 uses a different SSL certificate than the one that the Good Control server uses. API clients must trust the SSL certificate from BlackBerry UEM API port 18084
- Integrated mode does not support the Good Control 'policyset'. The BlackBerry UEM policies replace that functionality. All BlackBerry Dynamics APIs that managed the 'policyset' are impacted. Some are no longer supported and others cannot honor 'policyset' related input/output information.
- Integrated mode maps the Good Control 'application group' to the BlackBerry UEM 'user group'. All BlackBerry Dynamics APIs that managed the 'application group' are impacted. Most APIs are supported but are implemented using the BlackBerry UEM 'user group' and there are a few that are no longer supported.
- APIs supported in integrated mode will not work with previously persisted entity Ids from a standalone Good Control server, such as userId, groupId, and containerId.

For more information about the legacy BlackBerry Dynamics SOAP APIs, see the [Good Control Documentation](#).

## Supported Good Control SOAP APIs

API Name	Minium UEM version required	Behavior change
AddClientCertificate	12.9	Requires a fileName parameter (the extension of the file must be .pfx or .p12): <urn:fileName>'x.pfx'</urn:fileName>
addUser	12.7	None
deleteContainer	12.6 MR1	None

API Name	Minium UEM version required	Behavior change
generateAccessKeys	12.6 MR1	Integrated mode uses a new default email template for sending email messages for access keys. Unless the administrator has updated the email template after upgrading to integrated mode, email messages might look different than the ones that Good Control sends in standalone mode. Any user Ids that the API client system previously persisted do not work as the "userId" parameter value.
generateRestrictedAccessKey	12.7	None
generateUnlockAccessKey	12.6 MR1	Any user Ids that the API client system previously persisted do not work as the "userId" parameter value. Use the "getUser" API to retrieve the "userId" for users.
getAccessKeys	12.6 MR1	Any user Ids that the API client system previously persisted do not work as the "userId" parameter value. Use the "getUser" API to retrieve the "userId" for users.
getActivatedContainers	12.6 MR1	Any user Ids that the API client system previously persisted do not work as the "userId" parameter value. Use the "getUser" API to retrieve the "userId" for users.
getAppInfo	12.6 MR1	The response does not include the "serverList" and "policySetId" elements. This information is not available or applicable in integrated mode.
getApps	12.6 MR1	The response does not include the "serverList" and "policySetId" elements. This information is not available or applicable in integrated mode.
getDevices	12.6 MR1	<p>Any user Ids that the API client system previously persisted do not work as the "userId" parameter value. Use the "getUser" API to retrieve the "userId" for users.</p> <p>BlackBerry UEM 12.7 updated the support for this API to include:</p> <ul style="list-style-type: none"> <li>• the container lock status and reason</li> <li>• the manufacturerName property in the DeviceType element in responses</li> <li>• the lockStatus, lockReason, and authDelegate properties in the ContainerType element in responses</li> </ul>

API Name	Minium UEM version required	Behavior change
getGCProperties	12.7	None
getGPClusterList	12.6 MR1	None
getGPClusterServerList	12.6 MR1	None
getServerList	12.6 MR1	None
getUnlockAccessKeys	12.6 MR1	None
getUser	12.6 MR1	<p>The response does not include “policySetId” and “policyName”. The “appsGroupCount” element represents the number of BlackBerry UEM user groups that the user belongs to.</p> <p>Note that manual return parsing based on order and case is not supported; it is a best practice to use an XML parser.</p>
lockContainer	12.6 MR1	None
noop	12.7	None
removeAccessKey	12.6 MR1	None
sendPinEmail	12.6 MR1	<p>Integrated mode uses a new default email template for sending email messages for access keys. Unless the administrator has updated the email template after upgrading to integrated mode, email messages might look different than the ones that Good Control sends in standalone mode.</p>

### Supported CAP SOAP APIs

API Name	Minium UEM version required	Behavior change
AddApp	12.6 MR1	<p>The API adds a BlackBerry Dynamics application entitlement with app_type as 'O' (organization), app_realm as 'E' (enterprise), app_visibility as 'PRV' (private), and client_type as 'NativeContainer'. The API displays an error if the request parameters do not match. The API ignores the “purchase_url” request parameter.</p>

API Name	Minium UEM version required	Behavior change
AddGroup	12.6 MR1	The API creates the BlackBerry UEM user group. The request parameter "group_type" only supports the value of 'e' (Enterprise) and displays an error if you use any other values. The owner identifiers ("enterpriseld"/"organizationld"/"resellerld") do not support accepting any value from the API client and display an error if you provide a value.
AddGroupUser	12.6 MR1	The API adds users to the BlackBerry UEM user group. Any group Ids and user Ids that the API client system previously persisted do not work as request parameter values.
AddGroupsUsers	12.6 MR1	The API adds users to the BlackBerry UEM user groups. Any group Ids and user Ids that the API client system previously persisted do not work as request parameter values. If you set the "replace" parameter to 'true', users are removed from any other BlackBerry UEM user groups and are added to the newly specified BlackBerry UEM user group.
getApps	12.6 MR1	None
getGroups	12.6 MR1	<p>The API returns the BlackBerry UEM user groups filtered by group name. The "member_count" in the response indicates the number of BlackBerry UEM users in the user group. The values supported for the "group_Type" parameter are:</p> <ul style="list-style-type: none"> <li>• E="Everyone"</li> <li>• e="All enterprise groups, except 'Everyone'"</li> <li>• null= "All Groups"</li> </ul> <p>The API displays an error if you provide an unsupported value for "group_Type". The owner identifiers "enterpriseld"/"organizationld"/"resellerld" are not supported.</p>
getGroupsForUser	12.6 MR1	The API returns a list of BlackBerry UEM user groups that a given BlackBerry UEM user is part of. Any user Ids that the API client system previously persisted do not work as request parameter values.

API Name	Minium UEM version required	Behavior change
getGroupPermissions	12.6 MR1	<p>The API returns a list of BlackBerry Dynamics applications assigned to a BlackBerry UEM user group with appropriate permission dispositions (ALLOW and DENY). Any group Ids that the API client system previously persisted do not work as request parameter values. There are a few caveats:</p> <ul style="list-style-type: none"> <li>• app_version is not returned in the response</li> <li>• only applications with client_type = NATIVE_CONTAINER are supported</li> <li>• organization info is excluded from the response</li> <li>• app_realm value can only be 'E' for enterprise</li> <li>• app_type is 'G' for any apps that start with "com.good" or "com.blackberry" and 'O' for all others</li> </ul>
getUsersInGroup	12.6 MR1	<p>The API returns a list of BlackBerry UEM users that are part of a given BlackBerry UEM user group. Any group Ids that the API client system previously persisted do not work as request parameter values.</p>
RemoveApp	12.6 MR1	<p>The API removes the BlackBerry Dynamics application entitlement from the system. The API displays errors if the removal fails because of BlackBerry UEM rules; for example, the application is already assigned to a user/group.</p>
RemoveGroup	12.6 MR1	<p>The API deletes the BlackBerry UEM user group. Any group Ids that the API client system previously persisted do not work as the "group_id" parameter value. The API performs checks to be consistent with integrated mode.</p>
removeGroupUser	12.6 MR1	<p>The API removes users from the BlackBerry UEM user group. Any group Ids and user Ids that the API client system previously persisted do not work as request parameter values.</p>
setGroupPermission	12.6 MR1	<p>The API assigns BlackBerry Dynamics applications with appropriate permission dispositions to a BlackBerry UEM user group. Any group Ids that the API client system previously persisted do not work as request parameter values. There are a few caveats:</p> <ul style="list-style-type: none"> <li>• app_version_id is not supported in the request</li> <li>• app_id must be provided in the request because the default permissions are not supported in integrated mode</li> <li>• only the following permission dispositions are supported: UNDEFINED, ALLOW, and DENY. UNDEFINED removes the application from the BlackBerry UEM user group</li> </ul>



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