



BlackBerry AtHoc API Quick Start Guide

7.11

2020-04-20Z

Contents

What is the BlackBerry AtHoc API?	
Key differences between API Version 1 and API Version 2	
System level guidelines	
Set up your environment	
Create a user account with operator permissions	
Provision an application that can call the web API	
Set up an organization code in the BlackBerry AtHoc system	
Authentication	
Password grant	
Authorization code grant	
Implicit grant	
Change organization grant	
Refresh tokens	
Authentication errors	
Reset the client secret	14
Call the API	
Resolve response codes	
Code samples	
Required roles for API access	18
BlackBerry AtHoc Customer Support Portal	23
Legal notice	

What is the BlackBerry AtHoc API?

BlackBerry AtHoc integrates with existing systems and investments to create a comprehensive end-to-end crisis communication system. A common integration use case is to synchronize all user contact details between an authoritative source and BlackBerry AtHoc. This integration is possible thanks to an extensible set of web APIs. The APIs are designed to integrate a BlackBerry AtHoc system with other systems to make alerting more successful.

BlackBerry has incremented the web-based API to include new REST endpoints. The new REST-based web APIs are referred to as the BlackBerry AtHoc API V2.

This document describes how to get started using the BlackBerry AtHoc API V2. This document assumes that the reader is familiar with the BlackBerry AtHoc product, the end-user interaction, and the use of the management system. Familiarity with API V1 is helpful but not required.

This document also assumes that the reader has a customer relationship with BlackBerry or is working as a developer for a BlackBerry customer.

This document does not contain a full list of the available API endpoints. This list, including detailed definitions of each endpoint, is available in the interactive documentation installed with BlackBerry AtHoc and can be accessed at [server-address]/api/v2/docs.

Key differences between API Version 1 and API Version 2

The BlackBerry AtHoc API V2 makes establishing new integrations easier for developers. It follows the popular REST pattern with HTTP methods and JSON-formatted payloads. The authentication and authorization are OpenID Connect and OAuth 2.

	API Version 1	API Version 2
Payload format	XML over HTTP	JSON over HTTP
Authorization	Inline username and password	OpenID Connect with OAuth2 JWT Access Tokens
Calling pattern	HTTP POST of Custom XML Payload Definitions	REST with HTTP methods GET, PUT, POST, DELETE
Scenarios covered	 User Sync Distribution List Sync Alert Publishing Get Content 	 User Sync Distribution List Sync Get Content Accountability Officer
Unique identifier for users	MID (mapping ID)	LOGIN_ID (username)

The following table summarizes the differences between the API V1 and V2:

System level guidelines

Throttling limits

- There are throttling limits in place when calling the API. Try to optimize the workflow of calls to the API to achieve the maximum work within the number of allowed calls.
- Your calls may be blocked if they exceed the defined limits of your system or organization.

Dates and times

· Dates and times will be in the organization time zone unless otherwise specified.

User synchronization

- · Use batches to update multiple users in one request instead of single-user updates in each call.
- Do not exceed more than 1000 users in each call because the SyncBy endpoints are in real-time. If you need to synchronize more than 1000 users in a call, use the background job CSV import endpoint.
- Don't store UserIDs inside your application. The identifier for the user is username or mapping ID.

Attributes

- The API GET method does not retrieve CommonName attributes when they contain the following special characters : + @ #
- · Common names may be optional in the user interface.

Set up your environment

The following topics are included in this section:

- · Create a user account with operator permissions
- · Provision an application that can call the web API
- · Set up an organization code in the BlackBerry AtHoc system

Create a user account with operator permissions

To use the BlackBerry AtHoc API, you must create a user account with operator permissions. The user must have the SDK User role and permissions to access the specific API module. For example, you must have the User Manager role to access the User Sync API.

Provision an application that can call the web API

To provision a new API integration with the BlackBerry AtHoc management system, you must have organization administrator, enterprise administrator, or system administrator permissions. You must have system administrator permissions to enable a provisioned application.

Note: The Client ID and Client Secret can be used only in the organization in which they are created. If the Client ID and Client Secret are created in the System Setup (3) organization, they can be used in any organization. If the Client ID and Client Secret are created in an Enterprise organization, they can be used in any of that Enterprise's suborganizations. If the Client ID provided does not follow these inheritance rules, a 400 (Bad Request) error code is returned.

- 1. Log in to the BlackBerry AtHoc management system as an organization administrator, enterprise administrator, or system administrator.
- 2. In the navigation bar, click 🔛.
- 3. In the System Setup section, click API Applications.
- 4. On the API Applications window, click New.
- 5. On the New API Application window, enter a name for the API integration.
- 6. (System administrators only) Select the Enabled check box beside Status.
- 7. In the Authentication section, select a Grant Type. Password is the default. If you select Implicit, enter a redirect URI in the text box that appears.
- 8. Click Save. A success message appears that includes the Client ID and Client Secret.
- 9. Take note of the displayed Client Secret. It is displayed only once and will need to be regenerated if it is lost.

Note: After you provision your application in the BlackBerry AtHoc management system, contact BlackBerry AtHoc Customer Support to have the application reviewed and enabled.

Set up an organization code in the BlackBerry AtHoc system

Complete the following task to set up an organization code for your specific organization in the BlackBerry AtHoc management system. This organization code is not propagated to PSS, so if you already have an organization code in PSS, use that one to complete this task.

This task is not required if an organization code for your organization has already been provided to you.

1. Log in to the BlackBerry AtHoc management system as a system administrator.

- 2. Switch to the specific organization.
- **3.** Go to **Settings** > **General Settings**.
- 4. In the Organization Details section, enter the organization code. Do not use spaces.

Authentication

The BlackBerry AtHoc API V2 uses OAuth2-compliant authentication and authorization. To call the API, the client must first obtain an access token. Each organization has one access token. You will need to request an access token for every individual organization that you are calling against. The authentication step returns an access token which will be used when it calls the APIs.

The access token is only useful if the user has an operator role required to access the specific API module. For example, the User Manager role is required for User Sync. For more information, see Required roles for API access.

The parameter acr_values should contain the organization code in a key value pair with the Key=tenant (for example, acr_values=tenant:<OrgCode>) where <OrgCode> is the organization code of the organization that you want to access the API for.

Scope should be a space-delimited string of the resources that you want to access. If you also need long-term access to the API, you can request a Refresh Token with the offline_access scope. For example, openid profile athoc.iws.web.api offline_access.

Depending on your application and security requirements, you can obtain an access token from any of the following supported grant types:

- Password Grant
- Authorization Code Grant
- Implicit Grant
- Change Org Grant
- Refresh Token Grant

Password grant

The resource owner password grant type allows requesting tokens on behalf of a user by sending the user's name and password to the token endpoint. This is "non-interactive" authentication and is generally not recommended. There may be instances in certain legacy or first-party integration scenarios where the password grant type is useful, but the general recommendation is to use an interactive flow like implicit or auth code for user authentication.

The following is a Postman request for an Access and a Refresh Token using the Password Grant:

▶ Acc	 Access Token 		
I	POST V https:// <server>/authservices/auth/connect/token</server>		
Auth	orization Headers (1) Body • Pre-request Scrip	it Tests	
I f	orm-data 🖲 x-www-form-urlencoded 🔍 raw 🔍 bina	iry	
	Key	Value	
~	client_id	<clientld></clientld>	
~	client_secret	<secret></secret>	
~	grant_type	password	
~	username	<username></username>	
\checkmark	password	<pre><password></password></pre>	
~	acr_values	tenant: <org_code></org_code>	
~	scope	openid profile athoc.iws.web.api offline_access	

HTTP URL: https://<server>/authservices/auth/connect/token

HTTP Verb: POST

Parameters: Form encoded body containing the following fields with values:

client_id, client_secret, grant_type, username, password, acr_values, scope

You should see the response with the Access and Refresh Tokens with an HTTP Status Code of 200 OK. You can now use the access_token for calling the API resources (and use the refresh token to retrieve a new access and refresh token without resubmitting the user credentials).

Body	Cookies Headers (7) Test Results	Status: 200 OK	Time:	457 ms	Size:	1.49 KB
Pretty	Raw Preview JSON V		Ū	Q	Save Re	sponse
1 • K 2 3 4 5 6 }	<pre>"access_token": "eylhb6ci0i3SUzIINIIsImtp2CI6IjRBNT2FREFFNjR00EExR0k2NEFB00UzNjgwQzAyNjQ50EFCNTIwRjALL20eXAL01J IBaVNZCXhJUEEifQ.eyJuYmYi0jEJNjAwNjNSNzISImV4cCI6NTUyMDAyNzU3NiwiaXNzIjoiaHR0cHN6Ly9JYNRJdiShdGhvY2RldmBuY29 h0dH2c018vdHrZXYuYXR02NUzXzvLmNvb59hdXRocZyVAdJJZXNYXNdXJJZXNILChAGhvYy5p3Nud2Y1imFwa5JdL2J50 mF16Ghf6diZ516H7UyMDAyNtxNimiwHXJ501605jYNwLCJPermdDozRlj6d:SIadOttcZV08AXLL20hzJ1JBQLRNIIAUNFDV QiIsIIJDQU0LICJSRExNIIWUKRVRIISIIJTQUMLLCJSRVNHIiWUKVOVEFFISISIJPUKBREDICJSUk0LICJSUBLIIJDLIJBQLRNIIAUNFDV QiIsIIJDQU0LICJSRExNIIWUKRVRIISIJTQUMLCJSRVNHIiWUKVOVEFFISISIJPUKBREDICJSUk0LICJSUBLIIAUINITQUBLCJS lbmLKimicH2VmISZISImF08d0jfYniBa/Sy3ZNUTXVRDFImiD2CBMLZ9MXXL2MIXXWYNLYJjDHBnRSNB3SNIIJ9.L56SVQZXJ -fU7pv3Lf40K5LismTfpsnh06jfYniBa/Sy3ZNUTXVRDFImiD2CBMLZ9MYZNLZ9MXSWiYNLYJDHBnRSNB3SNIIJ9.L56SVQZXJ -kXQgUhuor101Y6MVHYzia5NsAkgjCiglVNoSG164GVU2m06ULKQWTZ5IJNKSWZW1LL0HNKSQyEK438EFjjiNBlm-dEfBu0X39YXp -zcvH1qYggL0R2D12kyqdFASQ0FR00yHWBjr8pdYrnShvK0Vbigj3d7JKUFVN7pg", "expine_in: 3600, "token_type": "Bearer", "refresh_token": "216c0c8221a4180fe2c500baec38992306c6588338629c7d2ce01f9e438851d6"</pre>	tL2F1dGhzZXJ2a 11bnRfaWQiOiJB E8iLCJSQUxNIiw U1NBViIsI1JTWV VWJ6Q4k79oJ46x	WN1cy9 UE1UZ) iUkFMV NBRE0 UF_d4u	9hdXRo (N0Iiw /iIsI1 iXSwic ıjZR1h	IiwiYXV ic3ViIj JBQUØiL 2NvcGUi	kIjpbIm oiMSIsI CJSQVBV Olsib3B

Authorization code grant

The authorization code flow provides a way to retrieve tokens on a back-channel as opposed to the browser frontchannel. The authorization code grant supports client authentication. The following is the recommended flow for native applications such as mobile apps and Windows forms.

Step 1: An application requests an authorization code from the authentication server.

```
GET https://<server>/AuthServices/Auth/connect/authorize?
```

```
response_type=code
&client_id=<client_id>
&redirect_uri=<your_app_callback_url>
&scope=openid profile athoc.iws.web.api offline_access
&state=<guid>&acr_values=tenant:<org_code>
&code_challenge=<ClientGenerated_CodeChallenge>
&code_challenge_method=S256
```

state This is an opaque value that the application adds to the initial request. During authentication, the application sends this parameter in the authorization request, and the authorization server returns this parameter unchanged in the response. This value must be used by the application to prevent cross-site request forgery (CSRF) attacks. This value can also be used by the application to restore the previous state of the application.

For more information about the state parameter, see:

https://auth0.com/docs/api-auth/tutorials/authorization-code-grant

https://auth0.com/docs/protocols/oauth2/oauth-state

code_challenge: The code_challenge is a Base64-URL-encoded string of the SHA256 hash of the code_verifier. Your application saves the code_verifier for later and sends the code_challenge with the authorization request to your authorization server's authorization URL.

For more information about the code_challenge parameter, see

https://developer.okta.com/authentication-guide/implementing-authentication/auth-code-pkce

Step 2: The browser redirects the user to the login screen.

The browser redirects the user to the login screen. Upon entering login credentials, if the credentials are valid, the browser has the authentication code in the URL. If the credentials or organization code are invalid, the browser displays HTTP status code 400 "Bad Request."

Step 3: The client requests the access_token based on the authentication code in step 2.

```
POST https://<Server>/AuthServices/Auth/connect/token
{
    "grant_type":"authorization_code",
    "code":"<code>" //code returned in browser from 2nd Step
    "redirect_uri":"<your_app_callback_url>",
        "client_id":"<client_id>",
        "code_verifier":"<ClientGenerated_CodeVerifier>"
}
```

Step 4: The authentication server sends the access token response.

```
{
    "expires_in":3600,
    "token_type":"Bearer",
    "refresh_token":"ljiweoriwoer...",
    "access_token":"okljhgfdsighijuhdfgdkljhgdflkgjlkjdlfkgj..."
}
```

Implicit grant

The implicit grant type is optimized for browser-based applications. The implicit grant type is used for user authentication-only (both server-side and JavaScript applications), or for authentication and access token

requests (JavaScript applications). In the implicit flow, all tokens are transmitted through the browser. Advanced features such because refresh tokens are not allowed as the security of the tokens cannot be guaranteed.

The implicit grant flow has the following steps:

- 1. Your application directs the browser to the authentication server sign-in page, where the user authenticates.
- The authentication server redirects the browser to the specified redirect URI, and includes the access and ID tokens as a hash fragment in the URI.
- 3. Your application extracts the tokens from the URI.
- **4.** Your application can now use these tokens to call the resource server (for example, an API) on behalf of the user.

Starting this flow is very similar to the authorization code flow except that the response_type is token or id_token instead of code.

Step 1: Your browser makes a request to authorize the endpoint of the authorization server.

```
GET https://<server>/AuthServices/Auth/connect/authorize?
response_type=token
&client_id=<client_id>
&redirect_uri=<your_app_callback_url>
&scope=openid profile athoc.iws.web.api offline_access
&state=<guid>
&acr_values=tenant:<org_code>
```

Step 2: The user logs in.

If the user does not have an existing session, this will open the authentication server sign-in page. After authenticating, or if the user has an existing session, the user arrives at the specified redirect_uri with a token as a hash fragment.

Step 3: The authentication server sends a redirect response.

```
https://localhost:8080/#
access_token=eyJhkjughfs...
&token_type=Bearer&expires_in=3600
&scope=openid
&state=<state>
```

Your application must now extract the tokens from the URI and store them.

Change organization grant

The change organization grant has been specifically designed for external applications that allow their users to switch between multiple organizations.

When the application has received an access token based on user credentials, the same access token can be used as the user's identity to get new access tokens for organizations that the user has access to.

The response of this call is a new Access (and Refresh) token based on the user's permissions within the new organization. If the user is not authorized in this organization, an error is returned.

The following is a Postman request and response for the change_org grant:

 ChangeOrg 			Examples (0) 👻
POST V https://localhost:44300/connect/token		Params Send	✓ Save ∨
Authorization Headers Body Pre-request Script	Tests		Code
◎ form-data ● x-www-form-urlencoded ○ raw ○ binary	r		
Кеу	Value	Description	•••• Bulk Edit
✓ client_id	Google.Chrome.Plugins.Postman		
Client_secret	secret		
grant_type	change_org		
✓ token	ey JhbGciOiJSUz I1 NIIsImtpZCI6IJRBNTZFREFFN jRGOEEzRDk2		
acr_values	tenant:abhay		
✓ scope	openid profile athoc.iws.web.api offline_access		
New key			
Body Cookies (1) Headers (9) Tests		Status:	200 OK Time: 76 ms
Pretty Raw Preview JSON ∨ ⇒			Q Save Response
<pre>1 * * ********************************</pre>			

Note: The change organization grant type must be requested from BlackBerry AtHoc Customer Support for the provisioned application. The change organization grant is an add-on grant that can be added to any provisioned application using the implicit, authentication code, and password grants.

URL: https://<server>/AuthServices/Auth/connect/token

HTTP Verb: POST

Parameters:

- client_id: <client_id>
- · client_secret: <secret>
- grant_type: change_org
- scope: openid profile athoc.iws.web.api
- acr_values: tenant:<org_code>
- token: <current valid access token>

API Error Response: If the user is not authorized for the given tenant (organization), the following error code is returned:

401: Unauthorized

Refresh tokens

Refresh tokens enable granting long-term access to APIs. You should keep the lifetime of access tokens as short as possible. However, you want to avoid forcing the user to perform repeated front-channel round trips to the authentication server to request new access tokens.

Refresh tokens allow new access tokens to be requested without user interaction. Every time the client refreshes a token, it needs to make an authenticated back-channel call to the authentication server. This call allows verifying if the refresh token is still valid or has been revoked.

Refresh tokens are supported in the authorization code and resource owner password flows. To request a refresh token, the client must include the offline_access scope in the token request and must be authorized for that scope.

Refresh tokens expire after 30 days. Refresh tokens have a sliding lifetime window of 15 days. The lifetime of a refresh token is renewed by the amount of time specified in the SlidingRefreshTokenLifetime parameter. After 30 days, the client must reauthenticate, regardless of the validity period of the most recent refresh token acquired by the application.

To obtain a new access token from a refresh token, send the following information:

URL: https://<server>/AuthServices/Auth/connect/token

HTTP Verb: POST

Parameters:

- client_id <client_id>
- client_secret: <secret>
- grant_type: refresh_token
- refresh_token: <current valid refresh token>

The following is a Postman request and response for the refresh_token grant:

Refresh Token			Examples (0) 👻
POST V https://localhost:44300/connect/token		Params Sec	nd 👻 Save 🗠
Authorization Headers Body Pre-request Script	Tests		Code
© form-data ● x-www-form-urlencoded ◎ raw ◎ binar	у		
Кеу	Value	Description	Bulk Edit
Client_id	Google.Chrome.Plugins.Postman		
Client_secret	secret		
grant_type	refresh_token		
refresh_token	Sb4176df8172d2be3213241b36b1ad496e9d8e3068d0d62ff		
Body Cookies (1) Headers (9) Tests		S	atus: 200 OK Time: 87 ms
Pretty Raw Preview JSON V		q	Q Save Response
 	Londbürg, döynt, fullthöringe/sittweic/anki.swartowahyaka-sittvijfsam Kabarbaoorigesamigostoritalisti omit, saszwabiv-signingenstratisti omit, saszwabiv-signingenstratisti saksmaphengi.com/sittalisti fr/biologisti fr/biologisti art/oritalisti satts/sittalisti fr/biologisti satts/sittalisti s	261261126124526795002051291457854952 46147024987426438216495354865857852 46147052748532548 460556455723258455255785 46055645572164785557855557 4605564557116478555785555 46055579497575511294885516579555 4605557949455558165592109457898577 477	1047a0319264-VS KS+3122+204584214136(829+22+10+ DV1A2V87ET536UC321425425284932+C

Authentication errors

This topic describes the error codes you may see when authentication of an API client fails. When authentication fails because the client is disabled or not present, a 400 error code is displayed. The following table explains the errors:

Error code	Cause	Action to correct
invalid client	The client name does not exist or is incorrect, or the client secret is invalid.	Check that the client is provisioned in the API application page and that it is in the Enabled state.
		Reset the client secret and use the new one.
unsupported_grant_type	The grant type is invalid.	The Grant type cannot be empty. Check that the Grant type is populated with one of the following supported grant type values: Implicit, authorization_code, Password, Change_org.
invalid_grant	The username or password is invalid, or the tenant code is invalid.	Make sure that the user credentials are valid and the correct organization code is passed.
invalid_scope	The scope is invalid.	The Scope cannot be empty.
		The mandatory Scope value is openid profile athoc.iws.web.api. offline_access .
		The offline_access scope value is an optional value that is required only when requesting a refresh token.

If you received an error, verify the following items:

- 1. Your client is properly provisioned and your client_id and secret are valid.
- 2. Your client has the password grant configured and allowed.
- **3.** Your username and password fields are correct.
- 4. The user exists in the organization defined in the acr_values tenant:<org_code>.
- **5.** The operator account is not locked.

Reset the client secret

If you need to reset the client secret for your API integration, complete the following steps:

- 1. Log in to the BlackBerry AtHoc management system.
- 2. In the navigation bar, click 🔛.
- 3. In the System Setup section, click API Applications. The API Applications window opens.

- 4. Optionally, enter a name in the search box to filter the list of applications.
- 5. Optionally, select **Enabled Applications** or **Disabled Applications** from the All Applications list to filter the list of applications.
- 6. Click the application that you want to modify.
- 7. Click Reset Client Secret. A confirmation window opens.

Note: Any existing calls to the selected API with the existing client secret will be blocked when you reset the client secret. Any existing calls to the selected API with the existing client secret will be blocked when you reset the client secret.

- 8. Click Continue. You are returned to the API application window. The new client secret is displayed.
- 9. Take note of the displayed client secret.

Call the API

You can call the BlackBerry AtHoc web API through a URL in your browser.

To access the BlackBerry AtHoc API, complete the following steps:

- 1. Log in to the BlackBerry AtHoc management system as an SDK User.
- 2. In the address bar of your browser, replace "athoc-iws" with "api/v2/docs". The web API page opens.
- 3. Enter your organization ID in the Authorize field.
- 4. Click Authorize. The Available authorizations window opens.
- 5. Select the scope option.
- 6. Click Authorize. You are directed to a login page.
- **7.** Enter your username and password.
- 8. Click Log In.

Resolve response codes

The following table lists response codes and how to resolve them:

Response code	Description	Steps to resolve
400	Bad Request	Check that the payload and its format are correct. Check for validation errors and take necessary actions to correct the payload.
401	Unauthorized	Make sure that the access token is present, correct, and not expired.
403	Forbidden	 The operator does not have sufficient operator permissions to execute the request. Log in to the BlackBerry AtHoc management system to modify the roles for the operator. The password used is changed or expired. Generate a new authentication token.
404	Not Found	The resources you are trying to find are not present in the system. Pass valid parameters.
429	Too Many Requests	There is a restriction on the number of API calls allowed. Try the service again. If you continue to see this response code, contact your administrator and request that the API throttling limit be increased to allow the client to perform more requests.
500	Internal Server Error	Report this error to BlackBerry AtHoc customer support at athocsupport@blackberry.com.
503	Service Unavailable	The server is currently unable to handle the request due to a temporary overload or scheduled maintenance. Wait and try again.

Code samples

BlackBerry AtHoc has created a set of code written in C# that can be used as a template to call the APIs. This code handles authentication and allows you to use the .Net methods and functions instead of calling the REST endpoints directly.

Contact your implementation engineer or BlackBerry AtHoc Customer Support for the .zip file that contains these code files. You can also access code samples by clicking the **API Development Kit** link at [*server-address*]/api/v2/ docs/apiguide.html.

Required roles for API access

The following table lists the operator roles that are required to access API calls. You must have at least one required role to access each API.

ΑΡΙ	Required role
GetEvent	 Accountability Manager Accountability Officer Enterprise Administrator Organization Administrator
GetEventStatusSummary	 Accountability Manager Accountability Officer Enterprise Administrator Organization Administrator
GetEventDetailsWithStatus	 Accountability Manager Accountability Officer Enterprise Administrator Organization Administrator
GetUserEventStatusHistory	 Accountability Manager Accountability Officer Enterprise Administrator Organization Administrator
UpdateUserStatus	 Accountability Manager Accountability Officer Enterprise Administrator Organization Administrator
GetOrgAllApiClients	Enterprise AdministratorOrganization Administrator
GetApiClientDetails	Enterprise AdministratorOrganization Administrator
SaveApiClient	Enterprise AdministratorOrganization Administrator
ResetApiClientSecret	Enterprise AdministratorOrganization Administrator
GetAllAttributes	 End Users Manager Enterprise Administrator Organization Administrator

Required role
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
This API can be accessed by any authenticated user.
This API can be accessed by any authenticated user.
This API can be accessed by any authenticated user.
This API can be accessed by any authenticated user.
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator
 End Users Manager Enterprise Administrator Organization Administrator

ΑΡΙ	Required role
GetOrganizations	Enterprise AdministratorOrganization Administrator
GetOrganization	Enterprise AdministratorOrganization Administrator
SyncByCommonNames	 End Users Manager Enterprise Administrator Organization Administrator
SyncByDisplayNames	 End Users Manager Enterprise Administrator Organization Administrator
GetUsers	 End Users Manager Enterprise Administrator Organization Administrator
GetUsers Advance User Search	 End Users Manager Enterprise Administrator Organization Administrator
PublishAlert	 Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator
GetAlertTemplates	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator
GetAlertTemplate	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator
GetAlertTypes	Enterprise AdministratorOrganization Administrator
GetAlertSeverities	Enterprise AdministratorOrganization Administrator

API	Required role
GetAlerts	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator Report Manager
GetAlertDetails	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator Report Manager
GetAlertSummaryReport	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator Report Manager
GetAlertHierarchySummaryReport	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator Report Manager
GetAlertDeviceSummaryReport	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator Report Manager

ΑΡΙ	Required role	
GetAlertDistributionListSummaryReport	 Alert Manager Advanced Alert Manager Alert Publisher Advanced Alert Publisher Enterprise Administrator Organization Administrator Report Manager 	

BlackBerry AtHoc Customer Support Portal

BlackBerry AtHoc customers can obtain more information about BlackBerry AtHoc products or get answers to questions about their BlackBerry AtHoc systems through the Customer Support Portal:

https://support.athoc.com/customer-support-portal.html

The BlackBerry AtHoc Customer Support Portal also provides support via computer-based training, operator checklists, best practice resources, reference manuals, and user guides.

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BlackBerry Limited 2200 University Avenue East Waterloo, Ontario Canada N2K 0A7

BlackBerry UK Limited Ground Floor, The Pearce Building, West Street, Maidenhead, Berkshire SL6 1RL United Kingdom

Published in Canada