



HP Anywhere – Restricting User/Device Connections (Black/White List)

HP Anywhere Information Engineering

Introduction

HP Anywhere 10.01 enables administrators to allow or prevent specific users and/or devices from accessing HP Anywhere. You can create a:

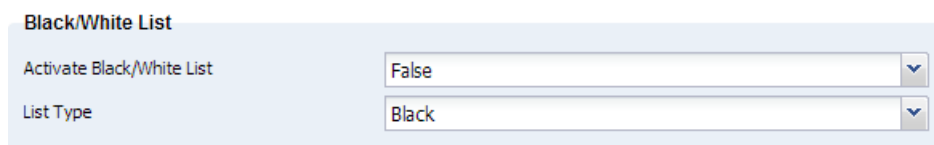
- White list to allow only specific users and/or devices to connect to HP Anywhere.
- Black list to prevent specific users and/or devices from connecting to HP Anywhere.

By default, this restrictive functionality is disabled. When you enable this functionality, users or devices that are blocked receive an error message when they try to access HP Anywhere.

This document describes how to implement the black list / white list functionality in HP Anywhere 10.01.

To activate the Black List / White List functionality:

1. Do one of the following:
 - Connect to the HP Anywhere database schema and run the Create SQL commands using one of the following:
 - **Oracle:** <HP_Anywhere_installation_folder>\confwizard\conf\scripts\database\oracle\oracle_create_provisioning_entities.sql
 - **MSSQL:** <HP_Anywhere_installation_folder>\confwizard\conf\scripts\database\mssql\mssql_create_provisioning_entities.sql
 - Modify the settings in the Administrator Console:
 - a. Log in to the HP Anywhere Administrator Console (http(s)://<HP Anywhere Server URL>:<port>/admin).
 - b. Click the Settings tab.
 - c. Scroll to the **Black/White List** section and set:
 - **Activate Black/White List** to **True**
 - **List Type** to **Black** or **White**



Black/White List

Activate Black/White List	False
List Type	Black

- d. Save the changes.
2. Apply restrictions using the **provision-list** API, described below.

provision-list API

Description

You can apply restrictions to users and/or devices, using one of the following list types:

3. White list: Allows only specific users and/or devices to access HP Anywhere and its apps. Users and/or devices that are not on this list cannot access HP Anywhere.
4. Black list: Prevents specific users and/or devices from connecting to HP Anywhere. All other HP Anywhere users and/or devices in your organization can access HP Anywhere.

Each entry in a list can apply to:

- A user, for example: {"userId": "user1"} or {"userId": "user1", "deviceId": null}
- A device, for example {"deviceId": "device2"} or {"userId": null, "deviceId": "device2"}
- A combination of the two to restrict a specific device for a specific user, for example: {"userId": "user1", "deviceId": "device2"}

You can add as many entries to the list as needed.

URL

http(s)://<host>:<port>/diamond/rest/api/V2/provision-list

Remarks

You set the list type using the HP Anywhere **Administrator Console** > **Settings** tab > **Black/White List** section > **List type**.

Note: The **List Type** does not affect the entries in the list—it affects only the restriction type.

HTTP Methods

GET

Description: Retrieves the entries from the black or white list.

Note: When using **GET**, you can:

- Use query parameters to specify a user and/or device ID to retrieve related entries.
- Leave the query string blank to retrieve all of the entries in the list.

Parameters: **userId:** The unique HP Anywhere login name.

deviceId: The device associated with a user, as defined in: HP Anywhere **Administrator Console > User Profiles** tab > **Associated Devices** tab > **P/N**

Examples: URLs: `http(s)://<host>:<port>/diamond/rest/api/V2/provision-list?userId=user1`

`http(s)://<host>:<port>/diamond/rest/api/V2/provision-list?userId=user1&deviceId=device1`

Note: This complex query example returns a single entry that contains both “user1” and “device1”.

Headers: Accept: application/json

Response Body: `{"entries":[{"userId":"user1","deviceId":"device1"}, {"userId":"user1","deviceId":"device2"}, {"userId":"user1","deviceId":"device3"}]}`

`{"entries":[{"userId":"user1","deviceId":"device1"}]}`

DELETE

Description: Deletes the specified entries from the black or white list.

Caution: The entire list is DELETED if:

- You do not add query parameters.
- You misspell a query parameter (for example, *deviceID* instead of *deviceId*).

Note: When using **DELETE**, you can:

- Use query parameters to specify a user and/or device ID to delete related entries.
- Leave the query string blank to delete all of the entries in the list.

Parameters: **userId:** The unique HP Anywhere login name.

deviceId: The device associated with a user, as defined in: HP Anywhere **Administrator Console > User Profiles** tab > **Associated Devices** tab > **P/N**

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Examples: URL: `http(s)://<host>:<port>/diamond/rest/api/V2/provision-list?userId=user1`

Header: X-CSRF-HPMEAP: HPA

Status Code: 200 OK

PUT

Description: Deletes the existing entries in the black or white list and replaces them with the given list of entries.

Note: HP Anywhere validates entries before running PUT or POST to ensure that no conflicts exist, such as the following conflict:

```
{ "userId": "user1"}, /*Generic: Applies to all devices associated with this user */  
{ "userId": "user1","deviceId": "device2"} /*Specific: Restriction applies to this user when  
using this device */
```

Examples: URL: `http(s)://<host>:<port>/diamond/rest/api/V2/provision-list`

Headers: X-CSRF-HPMEAP: HPA
Content-Type:application/json

Body: `{ "entries":[{ "userId":"user1","deviceId":"device1"}, {"userId":"user1",
"deviceId":"device2"}, {"userId":"user1","deviceId":"device3"}]}`

Status Code: 204 No Content

POST

Description: Appends entries to the black or white list. If there is a conflict between entries in the existing list and the appended list, the appended list entries take precedence.

For example, suppose a white list contains two entries for a specific user with two devices.

```
{"userId": "user1", "deviceId": "device1"},  
{"userId": "user1", "deviceId": "device2" }
```

If you append the list with a generic entry for that user (without specifying a device),

```
{"userId": "user1" }
```

the appended entry overwrites the existing entries in the white list, allowing all devices for that user.

Similarly, if a generic entry in a black list specifies only a user, and the appended list entry includes a device for that user, then the user that was previously blacklisted can now access HP Anywhere using any other registered device.

Examples:	URL:	http(s)://<host>:<port>/diamond/rest/api/V2/provision-list
	Headers:	X-CSRF-HPMEAP: HPA Content-Type: application/json
	Body:	{"entries":[{"userId":"user1","deviceId":"device1"}, {"userId":"user1","deviceId":"device2"}, {"userId":"user1","deviceId":"device3"}]}
	Status Code:	204 No Content

Open Defects

The reference number for each defect is the change request (QCCR) number. For more information about open defects, visit [HP Software Support Online](#), or contact your HP Support representative directly.

Title: Login screen sometimes freezes when an unauthorized user tries to log in (QCCR161505)

Description: When a black or white list is activated, and an unauthorized end user tries to log into HP Anywhere, the login screen sometimes freezes. Relevant only for smartphones and tablets.

Title: Black/White list-does not block desktop users (QCCR161387)

Description: An unauthorized user can login to the desktop version of HP Anywhere. Relevant only for desktop.
