



# ALM

Software Version: 15.5.1

## ALM SaaS Add-on REST API Reference

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# Welcome

This guide provides a complete online reference for the SaaS add-on REST-based API. Use the REST API to access and work with SaaS add-on.

The SaaS add-on REST-based API is for use by programmers familiar with RESTful API technology.

Consider the following when working with the REST-based API:

- Ensure only authorized users can execute the automated script or job.
- Do not include credentials as a part of the script or job.
- Some responses might contain sensitive information. Ensure you store the received data in a secure way.
- Limit access to data to authorized users.
- Destroy output when the information is no longer needed.

**Note:** Micro Focus encourages users to add additional protection for Site Administration based on REST API—this is not provided by Micro Focus. By not implementing additional protection, you may expose the system to increased security risks.

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# Create a project

## Description

Creates a project under a specific domain.

## URL

/qcbn/rest/saasaddon/customers/{id}/customerdomains/{domain\_name}/customerprojects

## HTTP Method

POST

## Remarks

To create a project, POST a string that contains the following fields:

```
name (Required. The project name)
type (Only accept the value "QCProject")
customization
enable-project-vc (Whether or not to enable version control. Valid values are "true"
and "false".)
link-project-to-template
link-to-template-copied-project
create-from-domain (The source domain of the project)
deactivate-if-activate
create-from-template (The existing template project from which the project is
created)
extension-name-to-enable
create-from-project (The source project of the project)
type-to-copy-from
is-active (Whether or not the project is active. Valid values are "true" and
"false".)
is-enable-pc-extension (Whether or not to enable LoadRunner Enterprise - Project
Extension. Valid values are "true" and "false".)
```

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, returns the full data of the created project in a JSON string.

## Input Example

```
{
  "name": "Project0004",
  "type": "QCProject",
  "customization": [],
  "enable-project-vc": false,
  "link-project-to-template": false,
  "link-to-template-copied-project": false,
  "create-from-domain": "",
  "deactivate-if-activate": false,
  "create-from-template": "",
  "extension-name-to-enable": "",
  "create-from-project": "",
  "type-to-copy-from": 0,
  "is-active": true,
  "is-enable-pc-extension": false
}
```

## Return Value Example

```
{
  "name": "Project0004",
  "type": "QCProject",
  "customization": [],
  "enable-project-vc": false,
  "link-project-to-template": false,
  "link-to-template-copied-project": false,
  "create-from-domain": "",
  "deactivate-if-activate": false,
  "create-from-template": "",
  "extension-name-to-enable": "",
  "create-from-project": "",
  "type-to-copy-from": 0,
  "is-active": true,
  "is-enable-pc-extension": false
}
```

# Get Domains and Projects

## Description

Gets the list of all domains and projects in the specified customer

## URL

/qcbn/rest/saasaddon/customers/{id}/domains/?include-projects-info={y/n}

## HTTP Method

GET

## Remarks

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, returns the list of all domains and projects if the `include-projects-info` parameter is `y`, otherwise, just returns the list of all domains.

## Return Value Example

If the `include-projects-info` parameter does not exist or is `n`, it returns the list of all domains.

```
{
  "domains": [
    {
      "name": "Domain_01"
    },
    {
      "name": "Domain_02"
    }
  ]
}
```

If the `include-projects-info` parameter is `y`, it returns the list of all domains and projects.

```
{
  "domains": [
    {
      "name": "Domain_01",
      "projects": [
        {
          "name": "Project_01"
        },
        {
          "name": "Project_02"
        }
      ]
    },
    {
      "name": "Domain_02",
      "projects": [
        {
          "name": "Project_03"
        },
        {
          "name": "Project_04"
        }
      ]
    }
  ]
}
```



# Get a User in a Project

## Description

Returns a user and its properties in the specified project.

## URL

/qcbn/rest/saasaddon/customers/{id}/customerdomains/{domain\_name}/customerprojects/{project\_name}/users/{user-name}

## HTTP Method

GET

## Remarks

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, returns the full data of the user in the project in a JSON string.

## Return Value Example

```
{
  "login-name": "zzz",
  "project-roles": [
    {
      "role-name": "Project Manager",
      "is-member": "N"
    },
    {
      "role-name": "Viewer",
      "is-member": "Y"
    },
    {
      "role-name": "Developer",
      "is-member": "Y"
    },
    {
```

```
    "role-name": "TDAdmin",  
    "is-member": "N"  
  },  
  {  
    "role-name": "QATester",  
    "is-member": "N"  
  }  
]  
}
```

# Delete a User

## Description

Deletes a customer user by its username.

## URL

/qcbn/rest/saasaddon/customers/{id}/users/

## HTTP Method

DELETE

## Remarks

To delete a user, specify the `login-name` in the request body. The login name should exist and match the customer ID in the request URL.

- The current user cannot delete itself.
- Basic users cannot delete any users.
- Site admin users cannot be deleted by customer admin users. A site admin user can only be deleted by other site admin users.
- A customer admin users except root customer admin users cannot delete users that belong to other customers.

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, the HTTP return value is 200.

## Input Example

```
{
  "login-name": "idp0111"
}
```

# Activate or Deactivate a User

## Description

Activates or deactivates a user by its username.

## URL

/qcbn/rest/saasaddon/customers/{id}/users/

## HTTP Method

PUT

## Remarks

To activate or deactivate a user, PUT a string that contains the following fields:

```
login-name (Required. The login name should exist and match the customer ID in the request URL.)

is-active (Required. Only accept the following values: "false" and "true". "false" is to deactivate. "true" is to activate.)
```

- The current user cannot activate or deactivate itself.
- Basic users cannot activate or deactivate any users.
- Site admin users cannot be activated or deactivated by customer admin users. A site admin user can only be activated or deactivated by other site admin users.
- A customer admin user cannot activate or deactivate users that belong to other customers. They can only be activated or deactivated by the root customer admin users or their parent customer admin users.

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, the HTTP return value is 200.

## Input Example

```
{  
  "login-name": "idp0111",  
  "is-active": false  
}
```

## Return Value Example

```
{  
  "email": null,  
  "phone": null,  
  "role": null,  
  "login-name": "cus",  
  "full-name": null,  
  "request-id": null,  
  "send-notification": false,  
  "identity-key": null,  
  "idp-name": null,  
  "is-active": false  
}
```

# Add a User to a Project

## Description

Adds a user to the specified project.

## URL

/qcbn/rest/saasaddon/customers/{id}/customerdomains/{domain\_name}/customerprojects/{project\_name}/users/{user-name}

## HTTP Method

PUT

## Remarks

To add a user to a project, PUT a string that contains the following fields:

```
role-name  
is-member (Only accept the following values: "Y" and "N". )
```

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, the HTTP return value is 201.

## Input Example

```
{  
  "role-name": "TDAdmin",  
  "is-member": "Y"  
}
```

## Return Value Example

```
{  
  "login-name": "user_name",
```

```
"project-roles": [  
  {  
    "role-name": "Project Manager",  
    "is-member": "N"  
  },  
  {  
    "role-name": "Viewer",  
    "is-member": "Y"  
  },  
  {  
    "role-name": "Developer",  
    "is-member": "Y"  
  },  
  {  
    "role-name": "TDAdmin",  
    "is-member": "Y"  
  },  
  {  
    "role-name": "QATester",  
    "is-member": "N"  
  }  
]  
}
```

# Create a user

## Description

Creates a customer user and retrieves the user properties.

## URL

/qcbn/rest/saasaddon/customers/{id}/users/

## HTTP Method

POST

## Remarks

To create a customer user, POST a string that contains the following fields:

```
login-name (Required and cannot be duplicate)
full-name
email
phone
request-id
send-notification
role (Only accept the following values: "Basic User" and "Customer Admin")
is-active
idp-name (Required for SSO. The IdP name must exist and belong to the current customer)
identity-key (Required for SSO. Identity key should be no longer than 255)
```

**Content-Type:** application/json

**Accept:** application/json

## Returns

On success, returns the full data of the created project in a JSON string.



## Input Example

```
{
  "login-name": "idp0111",
  "full-name": "John Doe",
  "email": "john.doe@mail.com",
  "phone": "1234567",
  "request-id": "1",
  "send-notification": true,
  "role": "Customer Admin",
  "is-active": true,
  "idp-name": "alm",
  "identity-key": "aa"
}
```

## Return Value Example

```
{
  "login-name": "idp0111",
  "full-name": "John Doe",
  "email": "john.doe@mail.com",
  "phone": "1234567",
  "request-id": "1",
  "send-notification": true,
  "role": "Customer Admin",
  "is-active": true,
  "idp-name": "alm",
  "identity-key": "aa"
}
```

# Send Us Feedback



Let us know how we can improve your experience with the ALM SaaS Add-on REST API Reference.

Send your email to: [docteam@microfocus.com](mailto:docteam@microfocus.com)