

# Service Resource

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## Methods

### POST serviceInit

Initializes the service by adding the first administrative user.

This method does not require authentication and can only be run once.

Request URI	Append <code>/api/rest/service</code> to the URL of the CloudSync instance
Query Parameters	<i>None</i>
Request Formats	<a href="#">application/vnd.fcrepo-cloudsync.serviceinit+json</a> <a href="#">application/vnd.fcrepo-cloudsync.serviceinit+xml</a>
Response Formats	<a href="#">application/vnd.fcrepo-cloudsync.serviceinfo+json</a> <a href="#">application/vnd.fcrepo-cloudsync.serviceinfo+xml</a>
Typical Status Codes	200 <code>Ok</code> 209 <code>Conflict</code> if the service is already initialized.

Example:

**Request:**

```
POST /cloudsync/api/rest/service HTTP/1.1
Content-Type: application/vnd.fcrepo-cloudsync.serviceinit+json
Accept: application/vnd.fcrepo-cloudsync.serviceinfo+json
```

```
{
  serviceInit: {
    initialAdminUsername: "fwilson",
    initialAdminPassword: "puppies1"
  }
}
```

**Response:**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.fcrepo-cloudsync.serviceinfo+json
```

```
{
  serviceInfo: {
    buildDate: "2011-10-26 11:50:56 UTC-0400",
    currentUserUri: "https://example.org/path/to/user",
    initialized: false,
    objectSetsUri: "https://example.org/path/to/objectSets",
    objectStoresUri: "https://example.org/path/to/objectStores",
    providerAccountsUri: "https://example.org/path/to/providerAccounts",
    spacesUri: "https://example.org/path/to/spaces",
    taskLogsUri: "https://example.org/path/to/taskLogs",
    tasksUri: "https://example.org/path/to/tasks",
    usersUri: "https://example.org/path/to/users",
    version: "1.0.0"
  }
}
```

## GET serviceInfo

Gets key information about the service, including URIs of other resources that comprise the REST API.

This method does not require authentication.

<b>Request URI</b>	Append <code>/api/rest/service</code> to the URL of the CloudSync instance
<b>Query Parameters</b>	<i>None</i>
<b>Request Formats</b>	<i>None</i>
<b>Response Formats</b>	<a href="#">application/vnd.fcrepo-cloudsync.serviceinfo+json</a> <a href="#">application/vnd.fcrepo-cloudsync.serviceinfo+xml</a>
<b>Typical Status Codes</b>	200 Ok

**Example:**

**Request:**

```
GET /cloudsync/api/rest/service HTTP/1.1
Accept: application/vnd.fcrepo-cloudsync.serviceinfo+json
```

**Response:**

```
HTTP/1.1 200 OK
Content-Type: application/vnd.fcrepo-cloudsync.serviceinfo+json
```

```
{
  serviceInfo: {
    buildDate: "2011-10-26 11:50:56 UTC-0400",
    currentUserUri: "https://example.org/path/to/user",
    initialized: false,
    objectSetsUri: "https://example.org/path/to/objectSets",
    objectStoresUri: "https://example.org/path/to/objectStores",
    providerAccountsUri: "https://example.org/path/to/providerAccounts",
    spacesUri: "https://example.org/path/to/spaces",
    taskLogsUri: "https://example.org/path/to/taskLogs",
    tasksUri: "https://example.org/path/to/tasks",
    usersUri: "https://example.org/path/to/users",
    version: "1.0.0"
  }
}
```

## Media Types

### application/vnd.fcrepo-cloudsync.serviceinfo+json

A JSON object with a `serviceInfo` field whose value is an associative array of the following fields:

Field	Description	Required?
<code>buildDate</code>	The date the CloudSync software was built	Yes
<code>currentUserUri</code>	A URI that can be used to get the current user via <a href="#">GET user</a>	Yes
<code>initialized</code>	true if <a href="#">POST serviceInit</a> has been successfully called on this instance, false otherwise	Yes
<code>objectSetsUri</code>	The URI to be used for <a href="#">GET objectSets</a> and <a href="#">POST objectSet</a> requests	Yes
<code>objectStoresUri</code>	The URI to be used for <a href="#">GET objectStores</a> and <a href="#">POST objectStore</a> requests	Yes
<code>providerAccountsUri</code>	The URI to be used for <a href="#">GET providerAccounts</a> requests	Yes
<code>spacesUri</code>	The URI to be used for <a href="#">GET spaces</a> requests	Yes
<code>taskLogsUri</code>	The URI to be used for <a href="#">GET taskLogs</a> requests	Yes
<code>tasksUri</code>	The URI to be used for <a href="#">GET tasks</a> and <a href="#">POST task</a> requests	Yes
<code>usersUri</code>	The URI to be used for <a href="#">GET users</a> and <a href="#">POST user</a> requests	Yes
<code>version</code>	The version of the CloudSync software	Yes

**Example:**

```
{
  serviceInfo: {
    buildDate: "2011-10-26 11:50:56 UTC-0400",
    currentUserUri: "https://example.org/path/to/user",
    initialized: false,
    objectSetsUri: "https://example.org/path/to/objectSets",
    objectStoresUri: "https://example.org/path/to/objectStores",
    providerAccountsUri: "https://example.org/path/to/providerAccounts",
    spacesUri: "https://example.org/path/to/spaces",
    taskLogsUri: "https://example.org/path/to/taskLogs",
    tasksUri: "https://example.org/path/to/tasks",
    usersUri: "https://example.org/path/to/users",
    version: "1.0.0"
  }
}
```

## application/vnd.fcrepo-cloudsync.serviceinfo+xml

An XML encoding of the above.

### Example:

```
<serviceInfo>
  <buildDate>2011-10-26 11:50:56 UTC-0400</buildDate>
  <currentUserUri>https://example.org/path/to/user</currentUserUri>
  <initialized>>false</initialized>
  <objectSetsUri>https://example.org/path/to/objectSets</objectSetsUri>
  <objectStoresUri>https://example.org/path/to/objectStores</objectStoresUri>
  <providerAccountsUri>https://example.org/path/to/providerAccounts</providerAccountsUri>
  <spacesUri>https://example.org/path/to/spaces</spacesUri>
  <taskLogsUri>https://example.org/path/to/taskLogs</taskLogsUri>
  <tasksUri>https://example.org/path/to/tasks</tasksUri>
  <usersUri>https://example.org/path/to/users</usersUri>
  <version>1.0.0</version>
</serviceInfo>
```

## application/vnd.fcrepo-cloudsync.serviceinit+json

A JSON object with a `serviceInit` field whose value is an associative array of the following fields:

Field	Description	Required?
<code>initialAdminUsername</code>	The username of the initial admin user.	Yes
<code>initialAdminPassword</code>	The password of the initial admin user.	Yes

### Example:

```
{
  serviceInit: {
    initialAdminUsername: "fwilson",
    initialAdminPassword: "PuppiesRgr8!"
  }
}
```

## application/vnd.fcrepo-cloudsync.serviceinit+xml

An XML encoding of the above.

**Example:**

```
<serviceInit>  
  <initialAdminUsername>fwilson</initialAdminUsername>  
  <initialAdminPassword>PuppiesRgr8!</initialAdminPassword>  
</serviceInit>
```