

Creating and Restoring Backups of Namespaces

Despite all precautions, it may happen that you want to recover from data loss or want to go back to an older state of a namespace. In this case, you may want to load a backup of a previous state of the namespace.

When operating with backups, please be careful and keep the following information in mind:

- Backups in the administration menu are always created **for an entire namespace**. If you want to create a backup copy of a single [service](#), [model](#) or [form](#), use the export function in the [explorer](#).
- Restoring a backup **deletes all existing data** from the namespace.



Please note that during the restoration of a backup **the content of a namespace is completely overwritten** with the data from the backup. We recommend to check the permissions of the folders after a backup restoration.

- If you upload a backup, the included data is not directly available - you need to restore it after upload.



See [Restoring a Backup](#) for detailed information.

- Please note that you can **only restore the content of an entire namespace** from backup files - not single data items from within a backup. If you want to create a backup copy of a single [service](#), [model](#) or [form](#) use the export function in the [explorer](#).

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Related Documentation:

- [Administration Guide](#)

System Configuration

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Backup and Restore

Libraries

Backup and Restore

Upload Backup

Create New Backup

Name	Namespace	Creation Date	Status
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Go to the **Backup and Restore** menu to create, manage and restore backups of your namespaces.

Menu **Backup and Restore** contains two buttons:

- **Create New Backup**: Click this button to create a new backup from a selected namespace.
- **Upload Backup**: Use this button if you want to restore an earlier version of a namespace.

Creating a Backup

<div><div>Backup and Restore</div><div><div>Upload Backup</div><div>Create New Backup</div></div><div><div>Name</div><div>Namespace</div><div>Creation Date</div><div>Status</div></div><div>Select Namespace</div><div><div>ACME Corp.</div><div>Jane's Services</div></div><div><div>Name*</div><div></div></div><div><div>Start Backup</div><div>Cancel</div></div></div>	<p>Backups are always created for an entire namespace.</p> <p>Click the Create New Backup button to open section Select Namespace and select the namespace you want to back up.</p>
<div><div>Select Namespace</div><div><div>ACME Corp.</div><div>Jane's Services</div></div><div><div>Name*</div><div>Jane's first backup</div></div><div><div>Start Backup</div><div>Cancel</div></div></div>	<p>Enter a name for your backup.</p> <p>As soon as field Name contains content and a namespace has been chosen, button Start Backup is enabled.</p> <p>Click the button to create your backup.</p>
<div><div>Confirm New Backup Creation</div><div>Are you sure you want to create backup of namespace "Jane's Services"?</div><div><div>Yes</div><div>Cancel</div></div></div>	<p>Confirm the confirmation prompt to start the process.</p>

The screenshot shows the 'Backup and Restore' section of a web application. At the top, there are two buttons: 'Upload Backup' and 'Create New Backup'. Below them is a table with the following columns: Name, Namespace, Creation Date, and Status. The table contains one entry: 'Janes first backup' in the 'Jane's Services' namespace, created on '11-03-2021 15:47:11', with a status of '(Ready)'. To the right of the table is a download icon and a close icon. Below the table, there are two blue notification banners. The first banner says 'Backup process finished successfully' with a close icon. The second banner says 'Backup process started' with a close icon.

Various notifications show the progress of the process:

- Backup process started
- Creating backup.
- Backup process finished successfully

This screenshot is identical to the first one, but the first row of the table, containing the entry 'Janes first backup', is highlighted with an orange border.

The backup is attached to the list of backups.

The screenshot shows the 'Backup and Restore' section with the same buttons as before. The table now has four entries: 'Janes first backup' (Jane's Services, 11-03-2021 15:47:11, Ready), 'First ACME Backup' (ACME Corp., 11-03-2021 15:49:09, Ready), 'Janes Tutorial Backup' (Jane's Services, 12-03-2021 06:37:06, Ready), and 'ACME Order Service' (ACME Corp., 12-03-2021 06:46:38, Ready). Each row has a download icon and a close icon to its right.

The list is sorted by creation date and contains the following information:

- Name
- Namespace
- Creation Date
- Status

Managing Backups









Use the backup list to manage your backups.


Downloading a Backup File

Backup and Restore

Upload Backup

Create New Backup

Name	Namespace	Creation Date	Status	
Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)	 
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	 
Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)	 
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	 



Click to download a backup file.

The zip file
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date of the backup (timestamp).

Uploading a Backup File

Backup and Restore

Upload Backup

Create New Backup

Name	Namespace	Creation Date	Status	
Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)	
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	
Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)	
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	

Upload Backup

Browse

Name*

Select Namespace

ACME Corp.

Jane's Services

Confirm

Cancel

If you want to upload a backup file, use button **Upload Backup** to open the section of the same name.

Click the **Browse** button to select the file you want to upload.

Upload Backup

Janes Backup_2021-03-12_06-37.zip

Change File

Name*

Janes Backup_2021-03-12_06-37

The name of the selected file is displayed. If you want to select a different file, use option **Change File**.

The file's name is also displayed in field **Name**.

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Upload Backup

Janes Backup_2021-03-12_06-37.zip [Change File](#)

Name*
Janes MASTER backup

Select Namespace

ACME Corp.

Jane's Services

Confirm Cancel

Change the contents of the **Name** field of you want to rename the backup before uploading it.

Option **Confirm** is only enabled after you have selected the namespace to which the file is to be uploaded.

Backup and Restore [Upload Backup](#) [Create New Backup](#)

Name	Namespace	Creation Date	Status	
Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)	⬇ x
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	⬇ x
Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)	⬇ x
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	⬇ x
Janes MASTER backup	Jane's Services	18-03-2021 13:26:06	(Ready)	⬇ x

Upload successful

If you upload a backup, the included data is not directly available: You need to restore it after upload. See [Restoring a Backup](#) for details.

Backup and Restore [Upload Backup](#) [Create New Backup](#)

Name	Namespace	Creation Date	Status	
Janes MASTER backup	Jane's Services	18-05-2021 13:51:50	(Ready)	⬇ x
Janes MASTER backup	designer_testspace	18-05-2021 13:52:07	(Ready)	⬇ x
Janes MASTER backup	ACME Corp.	18-05-2021 13:53:35	(Ready)	⬇ x

It is possible to upload the same backup file multiple times. However, uploading the same backup multiple times will not overwrite any other backup file.











The name of the file will remain the same if you don't change it and the timestamp will be different.

It is highly recommended

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Deleting a Backup File

<div>Backup and Restore</div> <div><div>Upload Backup</div><div>Create New Backup</div></div> <table><thead><tr><th>Name</th><th>Namespace</th><th>Creation Date</th><th>Status</th><th></th></tr></thead><tbody><tr><td>Janes first backup</td><td>Jane's Services</td><td>11-03-2021 15:47:11</td><td>(Ready)</td><td></td></tr><tr><td>First ACME Backup</td><td>ACME Corp.</td><td>11-03-2021 15:49:09</td><td>(Ready)</td><td></td></tr><tr><td>Janes Tutorial Backup</td><td>Jane's Services</td><td>12-03-2021 06:37:06</td><td>(Ready)</td><td></td></tr></tbody></table>	Name	Namespace	Creation Date	Status		Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)		First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)		Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)		<p>To delete a backup from the list, click icon .</p>
Name	Namespace	Creation Date	Status																		
Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)																		
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)																		
Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)																		
<div>Confirm Deletion</div> <div>Are you sure you want to delete backup "Janes first backup"?</div> <div><div>Yes</div><div>Cancel</div></div>	<p>You need to confirm the deletion in the pop-up window to proceed.</p>																				

Restoring a Backup

You have two possibilities to restore the content of an entire namespace:

- [From a backup shown in the list of backups.](#)
- [From a downloaded backup file.](#)



Restoring a backup **deletes all existing data** from the namespace, and overwrites them with the data from the backup.

Restoring Backups from Earlier Designer Versions

When you use a backup file to restore its contents to a namespace, the data is first restored in the as-is state: An older version of the data structure may be used if the backup has been created in an earlier Designer version or if it was uploaded from another system. After the restore, the version of the database is checked, and any applicable migrations are run, updating the database to the newest version. However, migration is only possible when the database version needs to be increased. Restoring a newer database to a system that uses a lower application version is not supported.

Using a Backup from the List

Backup and Restore

Upload Backup

Create New Backup

Name	Namespace	Creation Date	Status	
Janes first Backup	Jane's Services	04-02-2021 08:07:06	(Ready)	⬇ x
Examples and Tutorials	Examples and Tutorials	02-03-2021 10:25:06	(Ready)	⬇ x
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	⬇ x
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	⬇ x
examples	Examples and Tutorials	29-03-2021 09:23:00	(Ready)	⬇ x

Select the backup you want to restore with a click.

Backup and Restore

Upload Backup

Create New Backup

Name	Namespace	Creation Date	Status	
Janes first Backup	Jane's Services	04-02-2021 08:07:06	(Ready)	⬇ x
Examples and Tutorials	Examples and Tutorials	02-03-2021 10:25:06	(Ready)	⬇ x
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	⬇ x
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	⬇ x
examples	Examples and Tutorials	29-03-2021 09:23:00	(Ready)	⬇ x

Select Namespace

ACME Corp.

designer_testspace

Examples and Tutorials

Jane's Services

Restore

Cancel

Section **S**elect **N**amespace opens.

Select the namespace you want to overwrite with the data from the backup.

Button **R**estore is enabled. Click it to start the restoring process.

Confirm Namespace Restoration

Are you sure you want to overwrite "ACME Corp." with the selected backup? You will lose all unsaved work in "ACME Corp.". All model tabs will be closed.

Yes

Cancel

You need to confirm the restoration in the pop-up window to proceed.

Restoring backup...

During the process, a corresponding toast message is displayed.

Using a Downloaded Backup File

Backup and Restore

Upload Backup

Create New Backup

Name	Namespace	Creation Date	Status	
Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)	
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	
Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)	
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	

Upload Backup

Browse

Name*

Select Namespace

ACME Corp.

Jane's Services

Confirm

Cancel

If the backup is not available in the list of backups any more, you have to upload the backup file.

Use the **Upload Backup** button to open the section of the same name.

To select the file you want to upload, click the **Browse** button.

Upload Backup

Janes Backup_2021-03-12_06-37.zip

Change File

Name*

Janes Backup_2021-03-12_06-37

The name of the selected file is displayed. If you want to select a different file, use option **Change File**.

The file's name is also displayed in field **Name**.

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Upload Backup

Janes Backup_2021-03-12_06-37.zip [Change File](#)

Name*
Janes MASTER backup

Select Namespace

ACME Corp.
Jane's Services

Confirm Cancel

Change the contents of the **Name** field of you want to rename the backup before uploading it.

Option **Confirm** is only enabled after you have selected the namespace to which the file is to be uploaded.

Backup and Restore [Upload Backup](#) [Create New Backup](#)

Name	Namespace	Creation Date	Status	
Janes first backup	Jane's Services	11-03-2021 15:47:11	(Ready)	⬇️ ×
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	⬇️ ×
Janes Tutorial Backup	Jane's Services	12-03-2021 06:37:06	(Ready)	⬇️ ×
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	⬇️ ×
Janes MASTER Backup	Jane's Services	18-03-2021 13:26:06	(Ready)	⬇️ ×

Upload successful

A notification indicates a successful upload.

The uploaded file is added to the list of backups under the chosen name.

Backup and Restore [Upload Backup](#) [Create New Backup](#)

Name	Namespace	Creation Date	Status	
Janes first Backup	Jane's Services	04-02-2021 08:07:06	(Ready)	⬇️ ×
Examples and Tutoriala	Examples and Tutoriala	02-03-2021 10:25:06	(Ready)	⬇️ ×
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	⬇️ ×
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	⬇️ ×
examples	Examples and Tutoriala	29-03-2021 09:23:00	(Ready)	⬇️ ×
Janes MASTER backup	Jane's Services	18-05-2021 13:29:31	(Ready)	⬇️ ×

Now you can use the uploaded backup to restore the data:

First select it with a click.

Backup and Restore [Upload Backup](#) [Create New Backup](#)

Name	Namespace	Creation Date	Status	
Janes first Backup	Jane's Services	04-02-2021 08:07:06	(Ready)	⬇️ ×
Examples and Tutoriala	Examples and Tutoriala	02-03-2021 10:25:06	(Ready)	⬇️ ×
First ACME Backup	ACME Corp.	11-03-2021 15:49:09	(Ready)	⬇️ ×
ACME Order Service	ACME Corp.	12-03-2021 06:46:38	(Ready)	⬇️ ×
examples	Examples and Tutoriala	29-03-2021 09:23:00	(Ready)	⬇️ ×
Janes MASTER backup	Jane's Services	18-05-2021 13:29:31	(Ready)	⬇️ ×



Select Namespace

ACME Corp.
designer_testspace
Examples and Tutoriala
Jane's Services

Restore Cancel

Then, select the namespace you want to overwrite with the backup data.

Button **Restore** is enabled. Click it to start the restoring process.

<div><h3>Confirm Namespace Restoration</h3><p>Are you sure you want to overwrite "Jane's Services" with the selected backup? You will lose all unsaved work in "Jane's Services". All model tabs will be closed.</p><div><div>Yes</div><div>Cancel</div></div></div>		<p>You need to confirm the restoration in the pop-up window to proceed.</p>
<div><div> Restoring backup...</div><div></div></div>		<p>During the process, a corresponding toast message is displayed.</p>