



Rubrik Backup as a Service

SovLabs vRealize Automation Extensibility Module

End User Guide



Request a VM with specified Rubrik Protection Type (and SLA Domain)

The vRA administrator may have pre-configured vRA blueprint(s) with a specific Rubrik Backup Profile attached. The VM will be added to the specified Rubrik Protection Type and SLA Domain, if specified.

1. Login to the vRA tenant
2. Click on the **Catalog** tab
3. Request a vRA blueprint with a specified Rubrik Backup Profile
 - a. The vRA blueprint will have a vRA Property Group attached starting with:
SovLabs-Rubrik-

Request a VM and specify a Rubrik Protection Type (and SLA Domain)

The vRA administrator may have pre-configured vRA blueprint(s) to allow you to specify a Rubrik Protection Type and SLA Domain at request time. The VM will be added to the specified Rubrik Protection Type and SLA Domain.

1. Login to the vRA tenant
2. Click on the **Catalog** tab
3. Request a vRA blueprint that enables requesters to specify a Rubrik Protection Type and SLA Domain
 - a. On the VM form, three fields should appear:
 - i. **Rubrik Cluster Endpoint**
 - ii. **Rubrik Protection Type**
 - iii. **Rubrik SLA Domain**
4. Select the desired Rubrik Cluster Endpoint
5. Select the desired Rubrik Protection Type
6. Select the desired Rubrik SLA Domain
 - a. *Drop-down gets auto-populated when a Rubrik Cluster Endpoint and Rubrik Protection Type is selected
 - b. Must select “N/A” if Protection Type is NOTE “Specify SLA Domain”
7. Go through the rest of the blueprint form details as normal
8. Click **Submit**




Screenshot

vmware vRealize Automation

Home Catalog Items Requests Inbox Design Administration Infrastructure Containers

New Request



Windows 2012 R2 Rubrik

Windows 2012 R2 Rubrik

vSphere_Machine_1

vSphere Machine: vSphere_Machine_1

General Storage Properties

*Instances: 1 (Select 1-20)

CPUs: 1

Memory (MB): 4096

Storage (GB): 40

Description:

*Rubrik Cluster Endpoint: Lab

*Rubrik Protection Type: Specify SLA Domain

*Rubrik SLA Domain: Silver

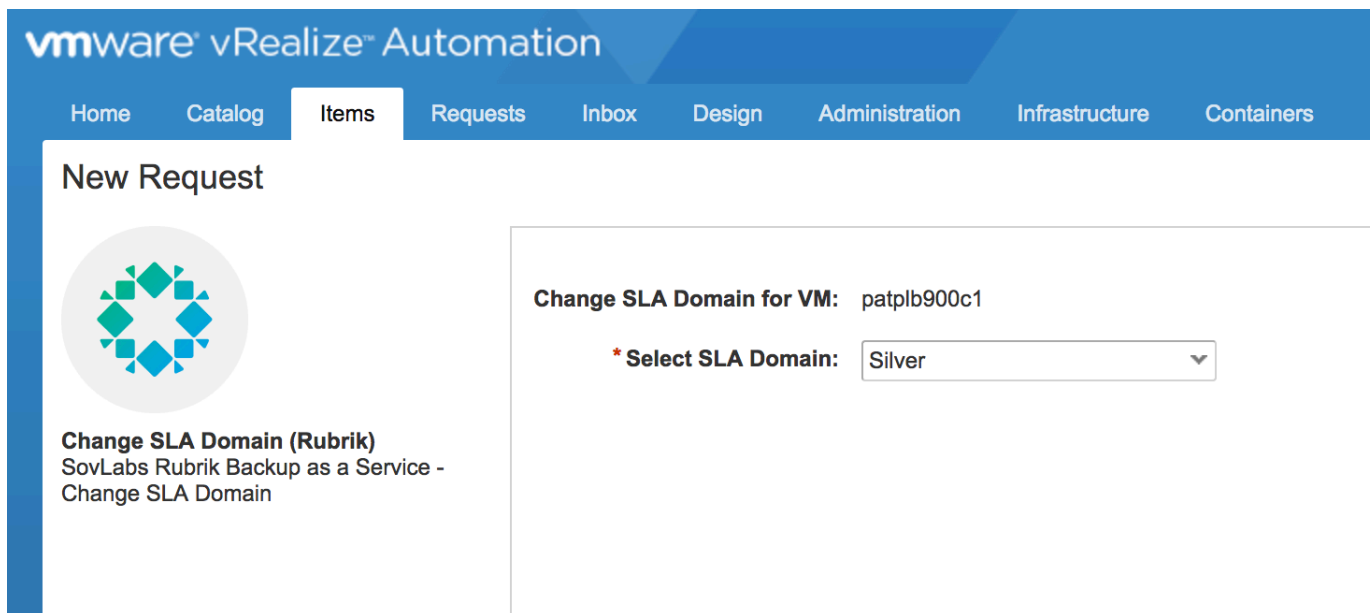


Change SLA Domain for VM

Change a VM's Rubrik SLA Domain. Once the process has started, it cannot be stopped.

1. Login to the vRA tenant
2. Click on the **Items** tab and then **Machines** on the left menu
3. Select the desired VM and click on **Actions** on the top column of the VM list
4. Select [Change SLA Domain \(Rubrik\)](#)
 - a. **Select SLA Domain:**
 - i. The current SLA Domain on the VM is pre-selected. To change the SLA Domain, select another one from the drop-down menu.
5. Click **Submit**

Screenshot



The screenshot displays the VMware vRealize Automation web interface. The top navigation bar includes links for Home, Catalog, Items, Requests, Inbox, Design, Administration, Infrastructure, and Containers. The 'Items' tab is active. On the left, under 'New Request', there is a circular icon with a gear-like pattern and the text 'Change SLA Domain (Rubrik)' and 'SovLabs Rubrik Backup as a Service - Change SLA Domain'. The main content area shows a form titled 'Change SLA Domain for VM: patplb900c1'. Below this, there is a field labeled '*Select SLA Domain:' with a dropdown menu currently showing 'Silver'.

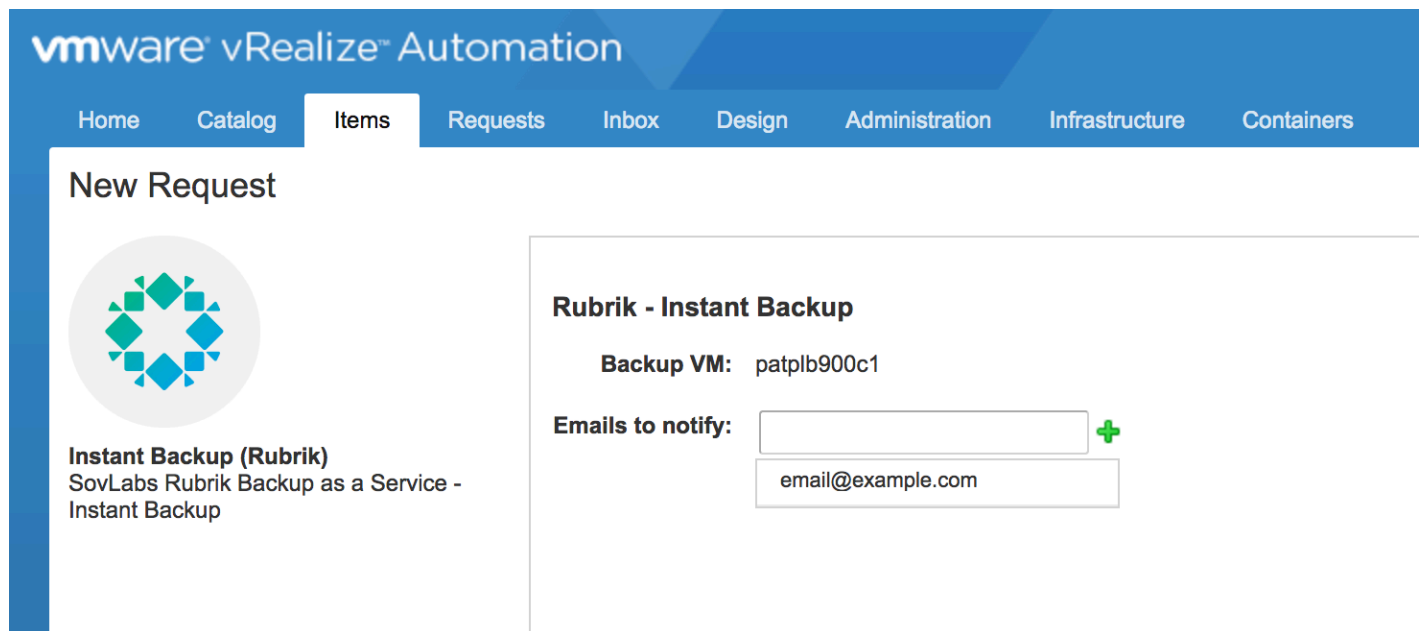


Instant Backup a VM

To instantly backup a VM in Rubrik. Once the process has started, it cannot be stopped.

1. Login to the vRA tenant
2. Click on the **Items** tab and then **Machines** on the left menu
3. Select the desired VM and click on **Actions** on the top column of the VM list
4. Select **Instant Backup (Rubrik)**
 - a. **Emails to notify:**
 - i. Field is auto-generated with the requester's email. Field is auto-generated with the requester's email. Add any additional emails that should be notified of the start and success or error.
5. Click **Submit**

Screenshot



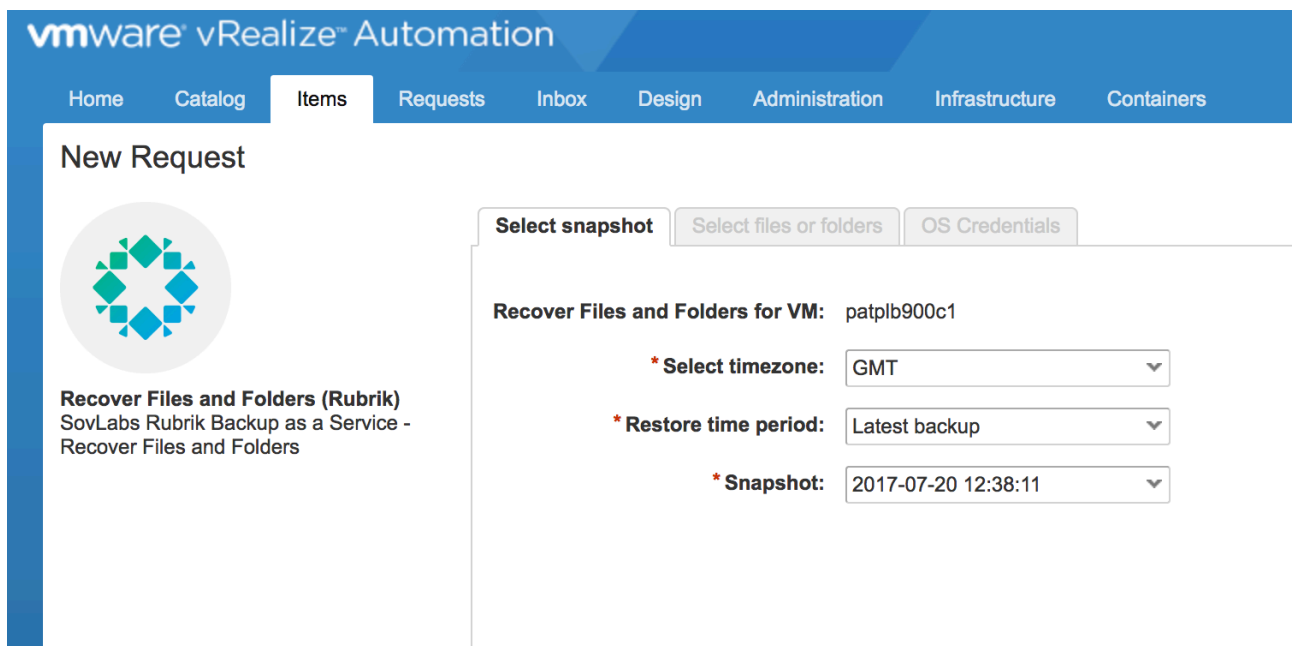
The screenshot shows the VMware vRealize Automation interface. The top navigation bar includes 'Home', 'Catalog', 'Items' (selected), 'Requests', 'Inbox', 'Design', 'Administration', 'Infrastructure', and 'Containers'. The 'New Request' section on the left features a circular icon with blue and green diamonds, labeled 'Instant Backup (Rubrik)' and 'SovLabs Rubrik Backup as a Service - Instant Backup'. The main form area is titled 'Rubrik - Instant Backup' and contains the following fields:

- Backup VM:** patplb900c1
- Emails to notify:** A text input field with a green plus icon to its right. Below it, a second input field contains the email address 'email@example.com'.



Recover Files and Folders on VM

1. Login to the vRA tenant
2. Click on the **Items** tab and then **Machines** on the left menu
3. Select the desired VM and click on **Actions** on the top column of the VM list
4. Select [Recover Files and Folders \(Rubrik\)](#)
 - a. **Select snapshot**
 - i. **Select timezone:** Select appropriate timezone
 - ii. **Restore time period:** Select 1 of the 3 options:
 1. **Latest backup:**
 - a. **Snapshot:** Drop-down will auto-populate with the latest backup
 2. **Latest backup before date:**
 - a. **Before date:** Pick a date to get all snapshots before the selected date
 - b. **Snapshot:** Choose the desired snapshot
 3. **Pick backup from date range:**
 - a. **Start date:** Pick a date to get all snapshots after the selected date
 - b. **End date:** Pick a date to get all snapshots before the selected date
 - c. **Choose a snapshot:** Choose the desired snapshot



The screenshot shows the VMware vRealize Automation interface. The top navigation bar includes 'Home', 'Catalog', 'Items', 'Requests', 'Inbox', 'Design', 'Administration', 'Infrastructure', and 'Containers'. The 'Items' tab is selected. On the left, under 'New Request', there is a circular icon with a Rubrik logo and the text 'Recover Files and Folders (Rubrik) SovLabs Rubrik Backup as a Service - Recover Files and Folders'. The main form area has three tabs: 'Select snapshot' (active), 'Select files or folders', and 'OS Credentials'. Under the 'Select snapshot' tab, the 'Recover Files and Folders for VM:' field is set to 'patplb900c1'. Below this, there are three required fields with dropdown menus: '* Select timezone:' set to 'GMT', '* Restore time period:' set to 'Latest backup', and '* Snapshot:' set to '2017-07-20 12:38:11'.



b. Select files or folders

i. Operating System

In the event this field is not auto-populated, please select the VM's operating system

ii. File path

User entered value for a starting path to search for files and folders.

To drill into a specific folder, update the file path by appending the folder name.

Repeat until desired folder/files are seen.

iii. Files

Leaving the File Path blank will cause the root of the file system to appear in the Files field. For Windows, this could be something like C:, D:, etc. For Linux, it could be multiple files/folders that appear at the base (/) of the restore point such as root, centos-root, sda1, sda2, etc.

To select the file(s) and/or folder to restore, select the file/folder on the left column and move it to the right column with the right arrow (>)

When files or folders exist in the right column, the File path field will become readonly.

To update the File path, please remove all files/folders from the right column back to the left by selecting the file/folder and clicking the left arrow (<)

iv. Overwrite existing files with restore?

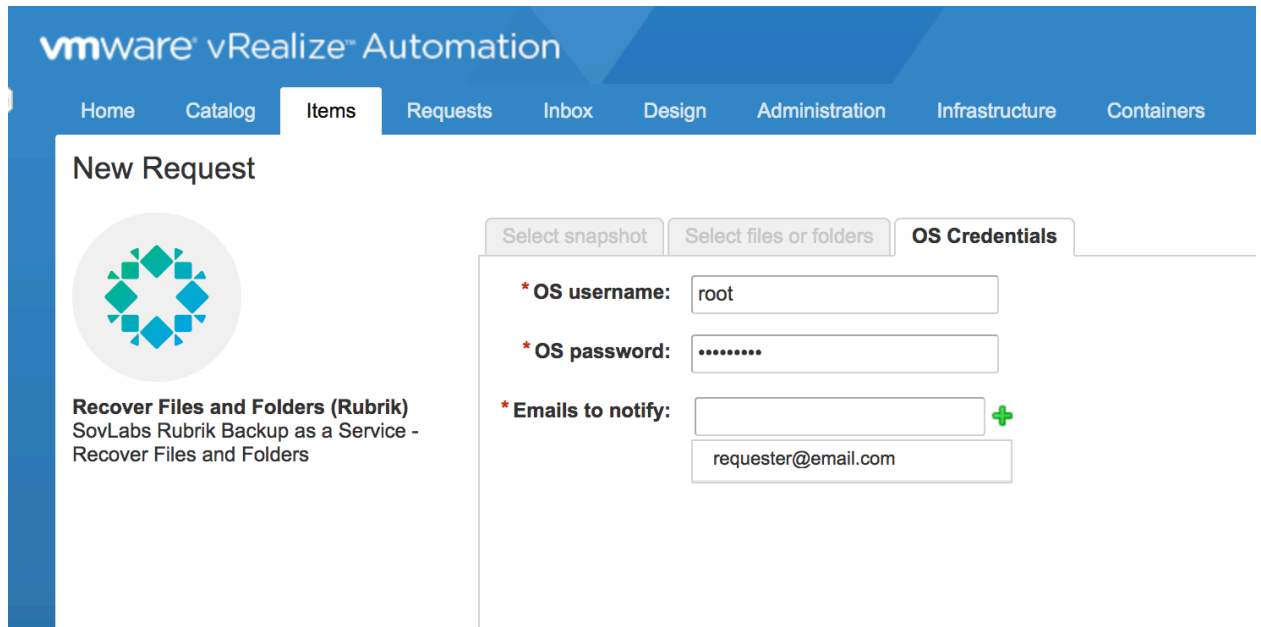
Select whether or not to overwrite existing files.

If No, then Rubrik will create a copy

The screenshot shows the 'New Request' form in the VMware vRealize Automation interface. The form is titled 'Recover Files and Folders (Rubrik)' and includes a description: 'SovLabs Rubrik Backup as a Service - Recover Files and Folders'. The form has three tabs: 'Select snapshot', 'Select files or folders', and 'OS Credentials'. The 'Select files or folders' tab is active. It contains a dropdown for 'Operating System' set to 'Linux', a text field for 'File path' containing '/', and a list of files and directories under the heading '* Files:'. The list includes /lib64, /sbin, /lib, /bin, /var, and /media. To the right of the list are four arrow buttons: a right arrow, a left arrow, a double right arrow, and a double left arrow. Below the list, there is a note: '*Only files and directories contained within the File Path can be selected per File Level Restore session.' At the bottom of the form, there is a checkbox labeled 'Overwrite existing files with restore?' which is checked.

c. **OS credentials**

- i. **OS Username:** Type in the username for the VM with rights to recover files/folders
- ii. **OS Password:** Type in the username's password
- iii. **Emails to notify:** Field is auto-generated with the requester's email. Field is auto-generated with the requester's email. Add any additional emails that should be notified of the start and success or error.



The screenshot shows the VMware vRealize Automation interface. The top navigation bar includes links for Home, Catalog, Items, Requests, Inbox, Design, Administration, Infrastructure, and Containers. The 'Items' tab is selected, and the 'New Request' page is displayed. On the left, there is a circular icon with a green and blue geometric pattern, and the text 'Recover Files and Folders (Rubrik)' and 'SovLabs Rubrik Backup as a Service - Recover Files and Folders'. On the right, the 'OS Credentials' tab is active, showing three input fields: '* OS username:' with the value 'root', '* OS password:' with masked characters '.....', and '* Emails to notify:' with the value 'requester@email.com' and a green plus icon to its right. Above the input fields are two tabs: 'Select snapshot' and 'Select files or folders'.

5. Click **Submit**

