

# Forklift Documentation

**Konveyor Hackathon**

December 16, 2021

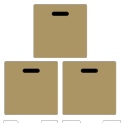
Avital Pinnick



# My background



- 4.5 years at Red Hat in Israel
  - Lead Writer and Documentation Program Manager, Modernization and Migration Solutions (2019-2021)
  - Associate Technical Writer, Red Hat Virtualization (2017-2018)
  - Moving to Content Strategist for Red Hat Virtualization and OpenShift Virtualization (2022)
- Before Red Hat
  - End-to-end testing and integration, video encryption systems (Cisco)
  - [Dead Sea Scrolls editor](#) (Hebrew University, Jerusalem)



# Repositories

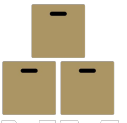


- **Upstream**

- GitHub: [konveyor/forklift-documentation](https://github.com/konveyor/forklift-documentation)
- Site: [forklift-docs.konveyor.io](https://forklift-docs.konveyor.io)

- **Downstream**

- GitLab (CEE): [documentation-migration-toolkit-for-virtualization](https://gitlab.com/konveyor/documentation-migration-toolkit-for-virtualization)
- Customer Portal: [Migration Toolkit for Virtualization](https://customerportal.konveyor.io/migration-toolkit-for-virtualization)



# konveyor/forklift-documentation

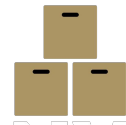


- Source files in “documentation” folder

The screenshot shows the GitHub repository page for `konveyor/forklift-documentation`. The repository is public and has 10 unwatchers, 8 forks, and 3 stars. The file list on the left includes:

File	Commit Message	Time Ago
<code>.github</code>	Delete issue.md	6 days ago
<code>.jekyll-cache/Jekyll/Cache/Jekyll-Ca...</code>	default layout	11 months ago
<code>_includes</code>	keywords added	8 months ago
<code>_layouts</code>	configure twitter card	8 months ago
<code>_sass</code>	copy konveyor styles	11 months ago
<code>assets</code>	configure twitter card	8 months ago
<code>documentation</code>	Merge pull request #262 from apinnick/rn-custom-validation	30 minutes ago
<code>.gitignore</code>	update	5 months ago
<code>CNAME</code>	Create CNAME	5 months ago
<code>CODE_OF_CONDUCT.md</code>	keywords	8 months ago
<code>CONTRIBUTING.md</code>	update	8 months ago
<code>Gemfile</code>	default layout	11 months ago
<code>LICENSE</code>	keywords	8 months ago
<code>README.md</code>	Update README.md	1 hour ago

The right sidebar shows the repository details, including the README, Apache-2.0 License, Code of conduct, 3 stars, 10 watching, 8 forks, 4 releases (latest is v2.2), and 0 packages published.



# Repository structure



documentation

- |-- doc-Migration\_Toolkit\_for\_Virtualization

  - |-- docinfo.xml

  - // Metadata for Pantheon

  - |-- master.adoc

  - // Assembly file for user guide

- |-- doc-Release\_notes

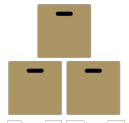
  - |-- docinfo.xml

  - |-- master.adoc

- |-- modules

  - |-- about-cold-warm-migration.adoc // Module

  - |-- etc.



# Source files

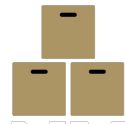


- Source files written in AsciiDoc, following modular documentation principles
  - Assembly file contains reusable module files
  - Examples: [assembly](#), [module](#)
- Upstream and downstream terms configured as attributes:
  - Upstream attributes in `./_config.yml` (Jekyll config file)

```
asciidoctor:  
  attributes:  
    - rhv-full=oVirt
```

- Downstream attributes in `modules/common-attributes.adoc`

```
:rhv-full: Red Hat Virtualization
```



# Generated documents



## Forklift

2. Create a `Secret` manifest for the source provider credentials:

```
$ cat << EOF | kubectl apply -f -
apiVersion: v1
kind: Secret
metadata:
  name: <secret>
  namespace: konveyor-forklift
type: Opaque
stringData:
  user: <user> (1)
  password: <password> (2)
  cacert: <oVirt_ca_certificate> (3)
  thumbprint: <vcenter_fingerprint> (4)
EOF
```

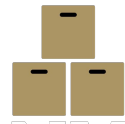
- |   |                                                                                                                                                                                                                                                                                                                                                              |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Specify the base64-encoded vCenter admin user or the <code>oVirt Engine</code> user.                                                                                                                                                                                                                                                                         |
| 2 | Specify the base64-encoded password.                                                                                                                                                                                                                                                                                                                         |
| 3 | <code>oVirt</code> only: Specify the base64-encoded CA certificate of the Engine. You can retrieve it at <a href="https://&lt;www.example.com&gt;/ovirt-engine/services/pki-resource?resource=ca-certificate&amp;format=X509-PEM-CA">https://&lt;www.example.com&gt;/ovirt-engine/services/pki-resource?resource=ca-certificate&amp;format=X509-PEM-CA</a> . |
| 4 | VMware only: Specify the vCenter SHA-1 fingerprint.                                                                                                                                                                                                                                                                                                          |

## MTV

2. Create a `Secret` manifest for the source provider credentials:

```
$ cat << EOF | oc apply -f -
apiVersion: v1
kind: Secret
metadata:
  name: <secret>
  namespace: openshift-mtv
type: Opaque
stringData:
  user: <user> ①
  password: <password> ②
  cacert: <RHV_ca_certificate> ③
  thumbprint: <vcenter_fingerprint> ④
EOF
```

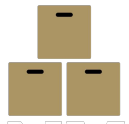
- ① Specify the base64-encoded vCenter admin user or the RHV Manager user.
- ② Specify the base64-encoded password.
- ③ RHV only: Specify the base64-encoded CA certificate of the Manager. You can retrieve it at <https://<www.example.com>/ovirt-engine/services/pki-resource?resource=ca-certificate&format=X509-PEM-CA>.
- ④ VMware only: Specify the vCenter SHA-1 fingerprint.



# Document structure



- Current structure (can change at any time!)
  - About Forklift
  - Prerequisites
  - Installing
  - Migrating VMs
  - Advanced options
  - Upgrading
  - Uninstalling
  - Troubleshooting
- [Installing and using Forklift 2.2](#)

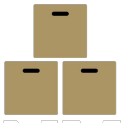




# Upstream -> downstream workflow



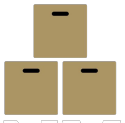
1. Pull request is merged to 'main' branch of GitHub forklift-documentation.
2. Merge triggers a GitHub action, which builds and publishes the Forklift documentation.
3. Sync script checks out 'main' branches of GitHub and GitLab repositories, compares them, creates a merge request in GitLab, and merges it.
4. Merge triggers a 'stage' build in Pantheon, our internal publishing tool.
5. Documentation Program Manager checks the stage build and publishes the document on the Customer Portal.



# How you can help us improve our docs



- Report a problem:
  - Typos, obsolete information, errors
  - Procedure that is not clear
  - Error message that does not explain the problem
- Suggest an improvement:
  - Code examples
  - Better documentation of existing features
  - Reorganize information, move sections
- If a problem or improvement affects other components, we will ensure that it reaches the right team.

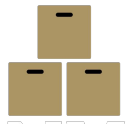


# How to contribute



- Submit an issue
  - [Bug report](#)
  - [Improvement](#)
- Create a pull request

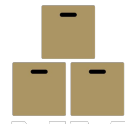
**Important:** PRs must comply with Red Hat style guides and documentation conventions.



# Resources and guidelines for contributors



- [AsciiDoc Syntax Quick Reference](#)
  - Official AsciiDoc documentation
- [IBM Style Guide](#)
  - Comprehensive style guide used by Red Hat
  - Requires sign-in with an IBM ID (Red Hat email)
- [OpenShift Guidelines](#)
  - Formatting, metadata, modular documentation



# Thank-you

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