Forklift Documentation

Konveyor Hackathon
December 16, 2021

Avital Pinnick

KONVEYOR

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)
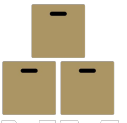 - Dead Sea Scrolls editor (Hebrew University, Jerusalem)
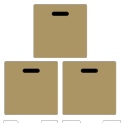
Repositories

- **Upstream**
  - GitHub: konveyor/forklift-documentation
  - Site: forklift-docs.konveyor.io

- **Downstream**
  - GitLab (CEE): documentation-migration-toolkit-for-virtualization
  - Customer Portal: Migration Toolkit for Virtualization

konveyor/forklift-documentation

- Source files in "documentation" folder

Repository structure

documentation

    |-- doc-Migration_Toolkit_for_Virtualization

        |-- docinfo.xml   // Metadata for Pantheon

        |-- master.adoc   // Assembly file for user guide

    |-- doc-Release_notes
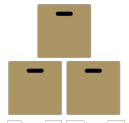
        |-- docinfo.xml

        |-- 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
```
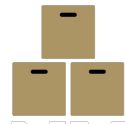
Generated documents

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 oVirt Engine user.
2	Specify the base64-encoded password.
3	oVirt only: Specify the base64-encoded CA certificate of the Engine. 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.

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.
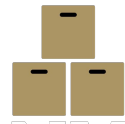
Document structure

- Current structure (can change at any time!)

  - About Forklift

  - Prerequisites

  - Installing

  - Migrating VMs

  - Advanced options

  - Upgrading

  - Uninstalling

  - Troubleshooting

- Installing and using Forklift 2.2
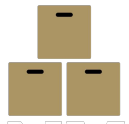
Upstream -> downstream workflow

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.
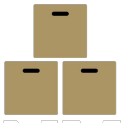
How you can help us improve our docs

- 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.
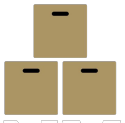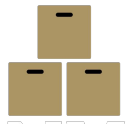
How to contribute

- 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
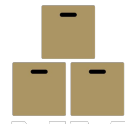
Thank-you

Email: apinnick@redhat.com
LinkedIn: www.linkedin.com/in/avitalpinnick/