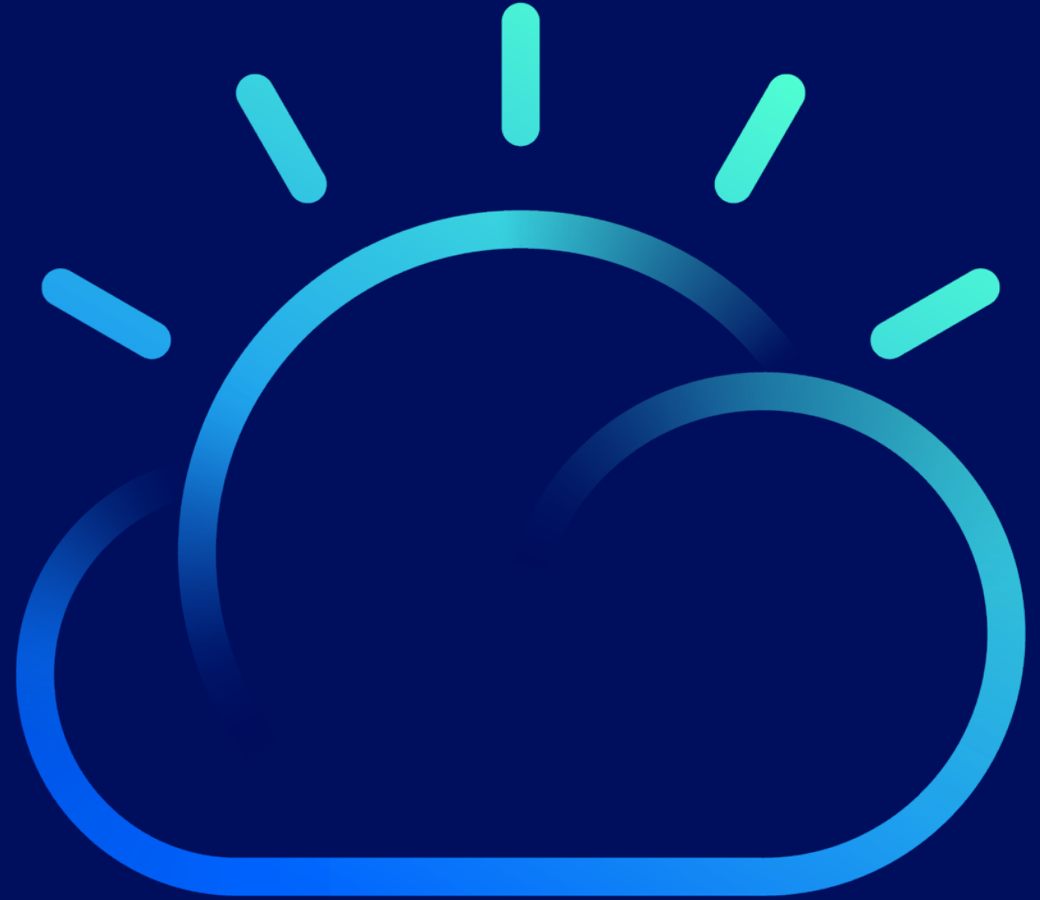


IBM Cloud Automation Manager Bootcamp



CAM Content Runtime



IBM Cloud

Content Management

Content Runtime Benefits

The IBM Cloud Automation Content Middleware Template Library was built around a set of non-proprietary frameworks which are openly available.

Terraform and Chef were chosen for standardizing the IBM-created content due to the following key advantages:

- Popularity and growth with users
- A community Model for development, support and third party tooling
- They are proven for Enterprises at scale
- Support for hybrid environments (environments that are based both in the cloud and on-premises)
- Consistent automation format and management for IBM content.

Note: Although the IBM Content is created using Terraform and Chef, Cloud Automation Manager does not preclude the use of other popular tools.

Hardware Requirements

You must meet the following hardware minimum requirements:

- 4 CPU cores
- 8 GB memory
- 20 GB disk for Operating System
- 100 GB disk for Software Repository
- 40 GB disk for Docker production configuration (optional). For more information, see [Production Docker](#).
- Content Runtime supports only x86 architecture.

Software Requirements

Supported operating systems

- Ubuntu 14.04 LTS
- Ubuntu 16.04 LTS
- RHEL 7
- Cent OS 7

Note: RHEL Satellite Repos with correct configuration must be enabled in the images.

- Red Hat Enterprise Linux 7 Server (RPMs)
- Red Hat Enterprise Linux 7 Server - RH Common (RPMs)
- Red Hat Enterprise Linux 7 Server - Optional (RPMs)
- Red Hat Enterprise Linux 7 Server - Supplementary (RPMs)
- Red Hat Enterprise Linux 7 Server - Extras (RPMs)

Network considerations

- The virtual machine must have a connection to the internet for the duration of the configuration process.
- Requires static IP

https://www.ibm.com/support/knowledgecenter/en/SS2L37_3.1.2.0/content/cam_content_camc_requirements.html

Deploying Content Runtime Server

The Content Runtime is a virtual machine. A Chef server is installed on the virtual machine as part of the configuration of the Content Runtime. Two docker containers are installed on the machine to help communicate with the Chef server and to manage the software repository.

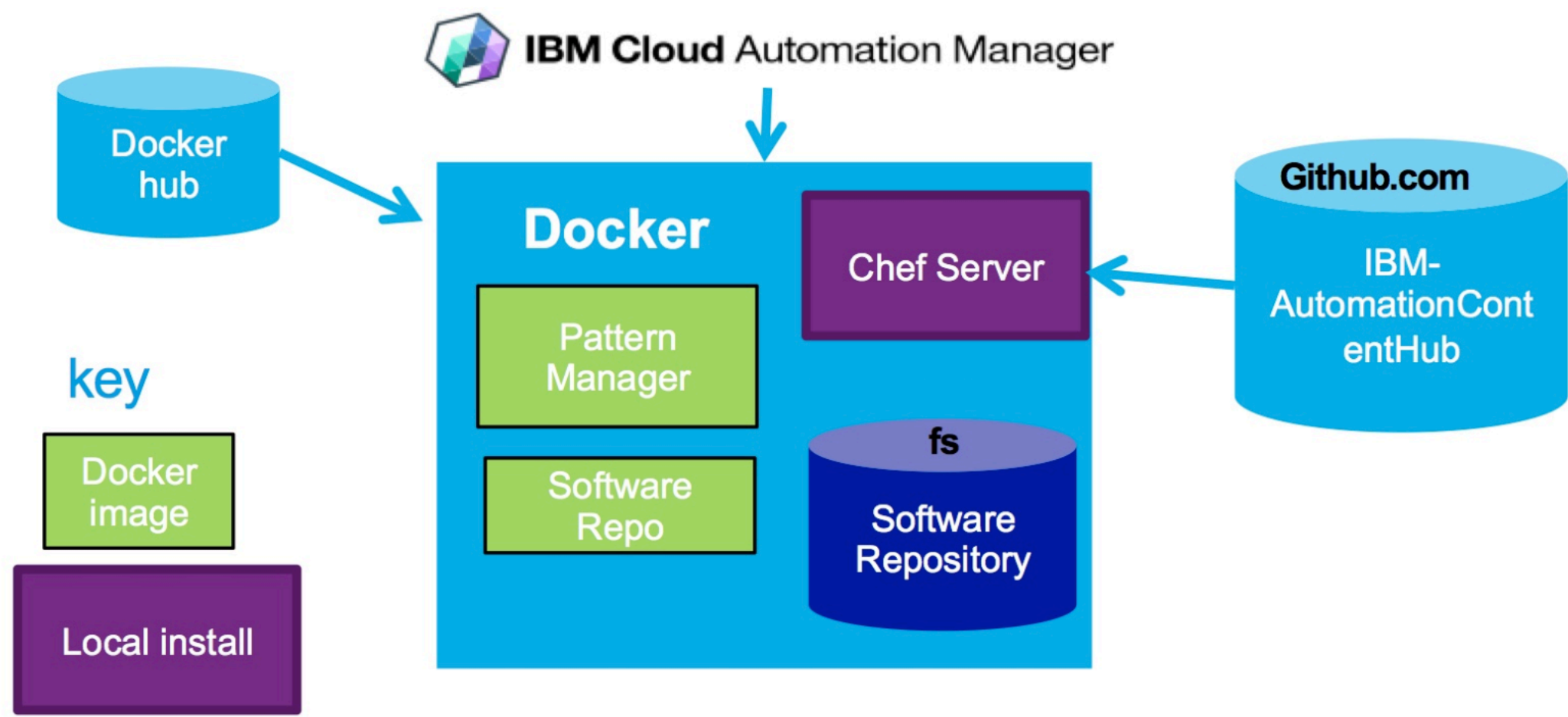
There are four templates:

- VMware
- Other
- IBM
- Amazon

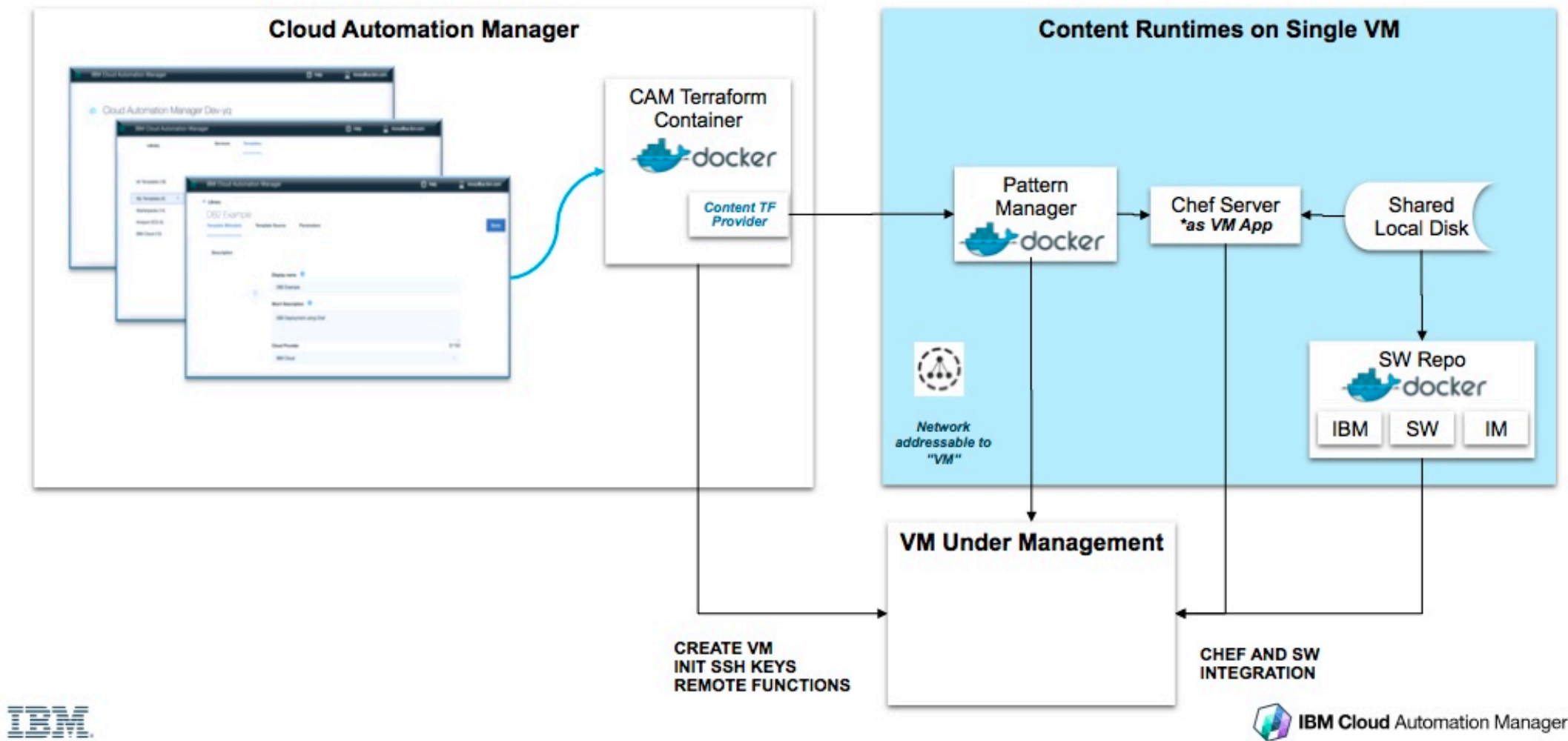
The configuration process installs the following components on the Content Runtime virtual machine:

- Chef server
- Docker runtime
- Pattern manager docker container
- Software repository docker container

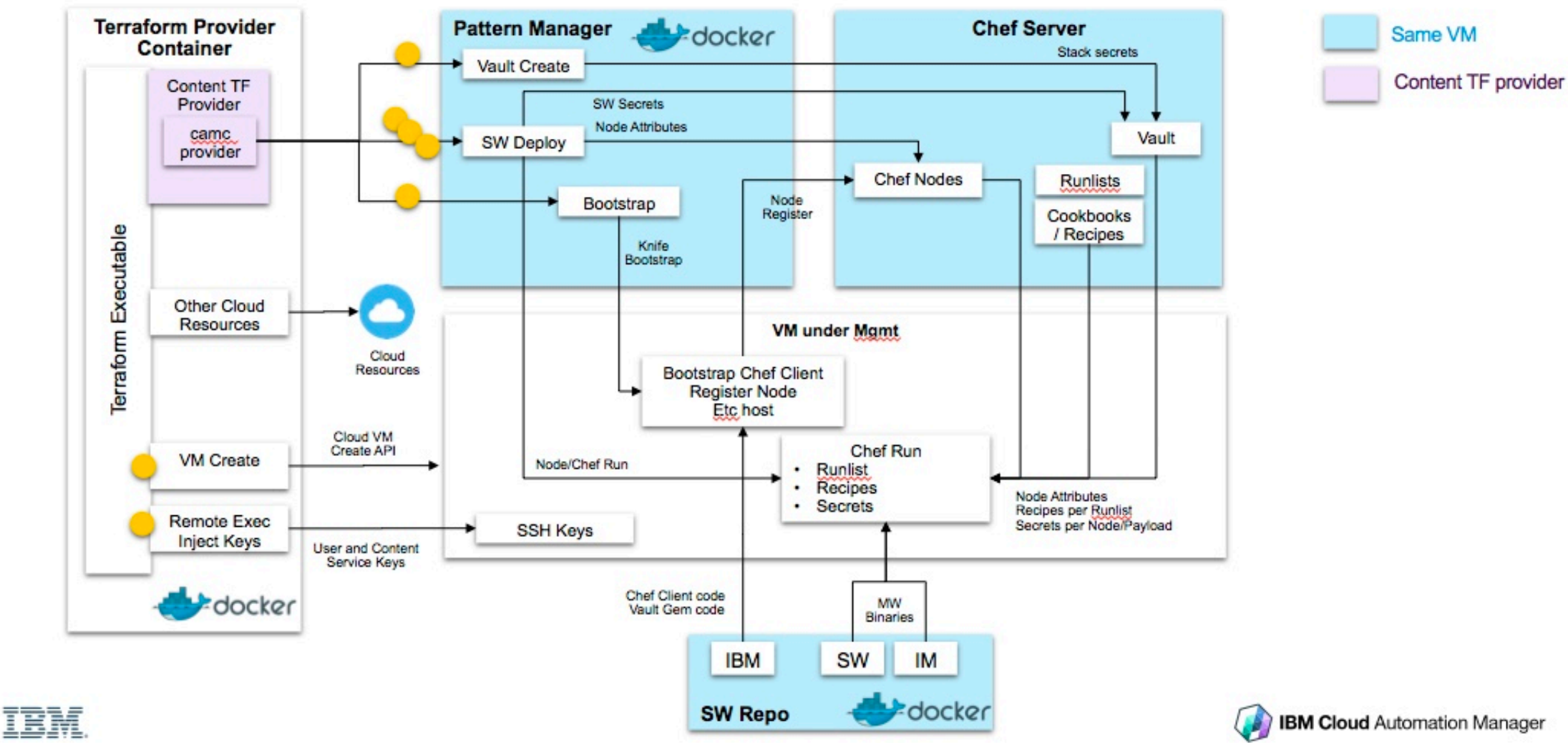
Content Runtime Components



Single Server - Content Runtime Components



Single Server - Content Runtime Components



Managing Content Runtimes

Menu -> Manage -> Content Runtimes

IBM Cloud Automation Manager

DocsSupport

Manage

Cloud ConnectionsContent RuntimesEmail ConfigurationShared Parameters

All namespaces

Advanced Content Runtimes

To use the advanced features of Cloud Automation Manager further steps are required. Advanced Content Runtimes allow you to easily set everything up, you can learn more [here](#).

Advanced Content Runtimes (1)

Search items

Create Content Runtime

Name	Provider	Created	Status
team2-vsphere-content-runtime-server Namespace: default	VMware vSphere	05/31/2019 10:26 AM	Running

Instances per page 5 | 1-1 of 1 Instances

1 of 1 pages

1

Middleware Content

Middleware Template Library

- Chef based middleware templates to install and configure single node or multi node middleware products.
- References to Chef cookbooks for use with a content runtime. For example, WebSphere Application Server middleware, DB2, MQ.
- Preview of available templates on GitHub
- Installed into Cloud Automation Manager by default when internet connectivity is enabled.

<https://github.com/IBM-AutomationContentHub/IBM-AutomationContentHub>

Middleware Content

IBM Cloud Automation Manager

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Library

Services

Templates

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My Templates (3)

Middleware (75)

Integration (7)

Import Existing (1)

Starterpacks (55)

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Create Template

Import Template

Name	Provider	Created	
MySQL DB Deployment V5.7 on a single virtual machine	IBM	05/27/2019 12:27 PM	
Oracle Database 12c Enterprise Edition on a single virtual machine	IBM	05/27/2019 12:27 PM	
LAMP Deployment on a single virtual machine	IBM	05/27/2019 12:27 PM	
IBM WebSphere Network Deployment V8.5.5 on a single virtual machine	IBM	05/27/2019 12:27 PM	
IBM WebSphere Network Deployment 8.5.5 cell with IBM HTTP Server	IBM	05/27/2019 12:27 PM	
IBM WebSphere Network Deployment V9 on a single virtual machine	IBM	05/27/2019 12:27 PM	
IBM WebSphere Network Deployment V9 cell with IBM HTTP Server	IBM	05/27/2019 12:27 PM	

