IBM Cloud Automation Manager

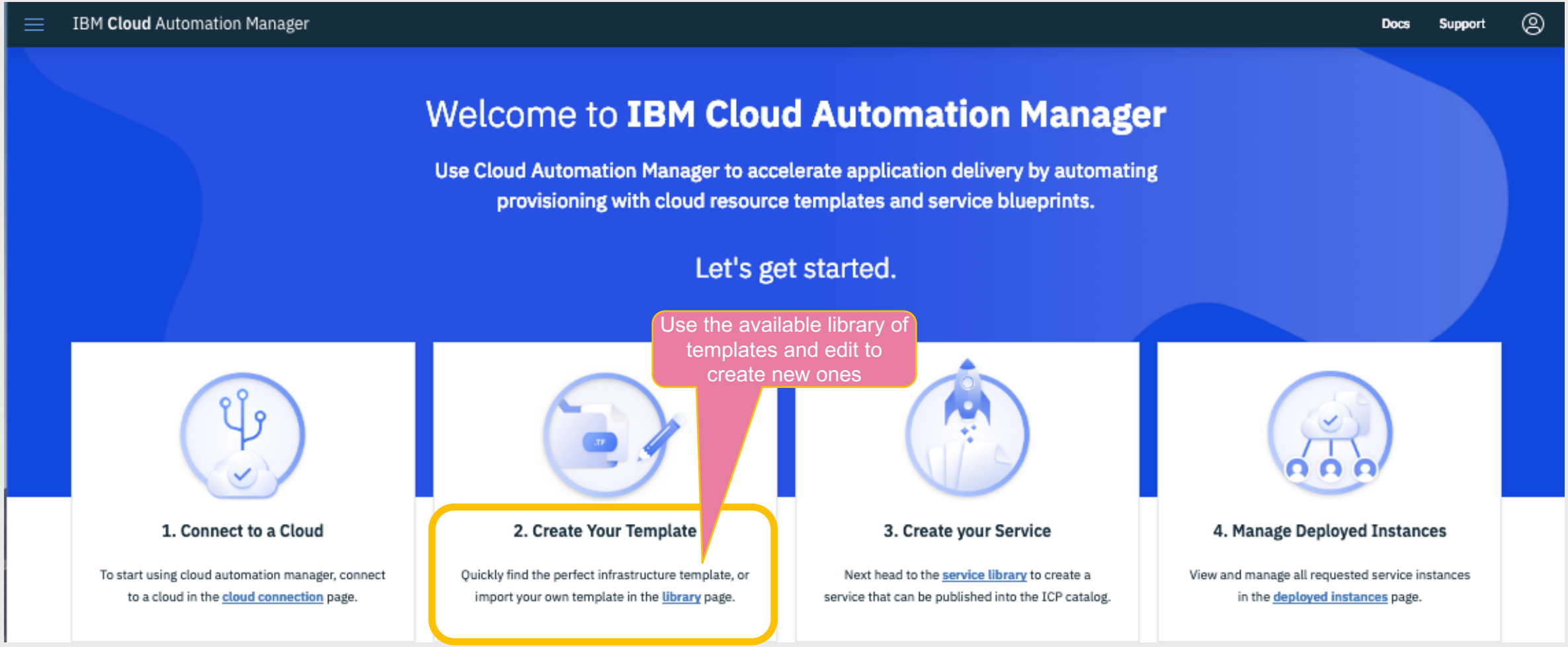
CAM Template Designer

IBM Cloud

Topics

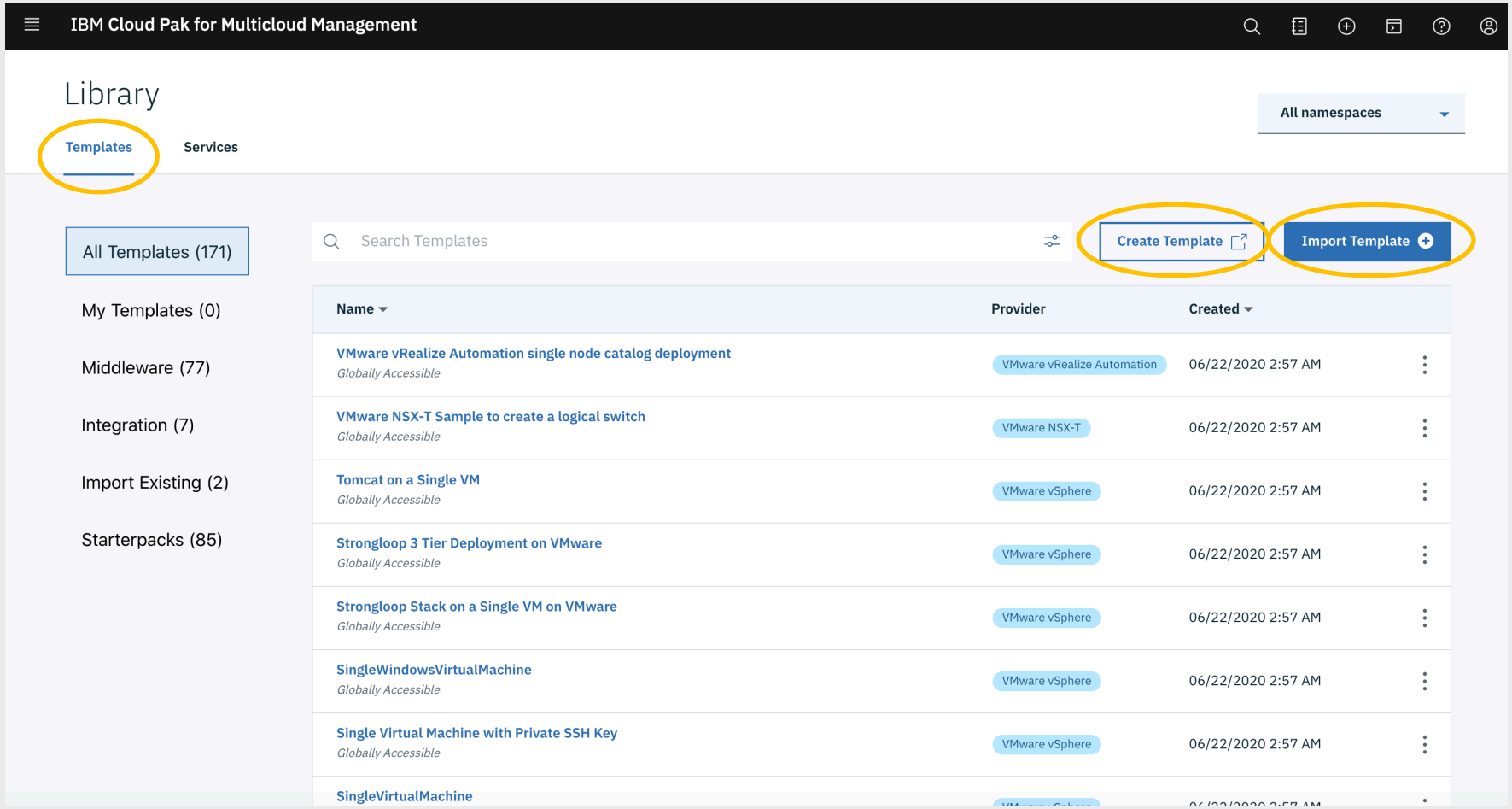
- Explore the CAM Template Designer
- Explore the CAM Template Library
- Connect CAM Template Designer to a GitHub repository
- Create and edit CAM templates

Working with CAM Templates



Working with CAM Template Library

- Using the template library, you can either use or edit and create new templates
- You can import templates into the library or create new templates from scratch



Inbuilt CAM Templates

- **Starterpack Templates**

Basic starter templates for use without a content runtime.

For example, deploying virtual machine and basic scripts to configure/install software like MEAN stack as well as cloud native automation templates

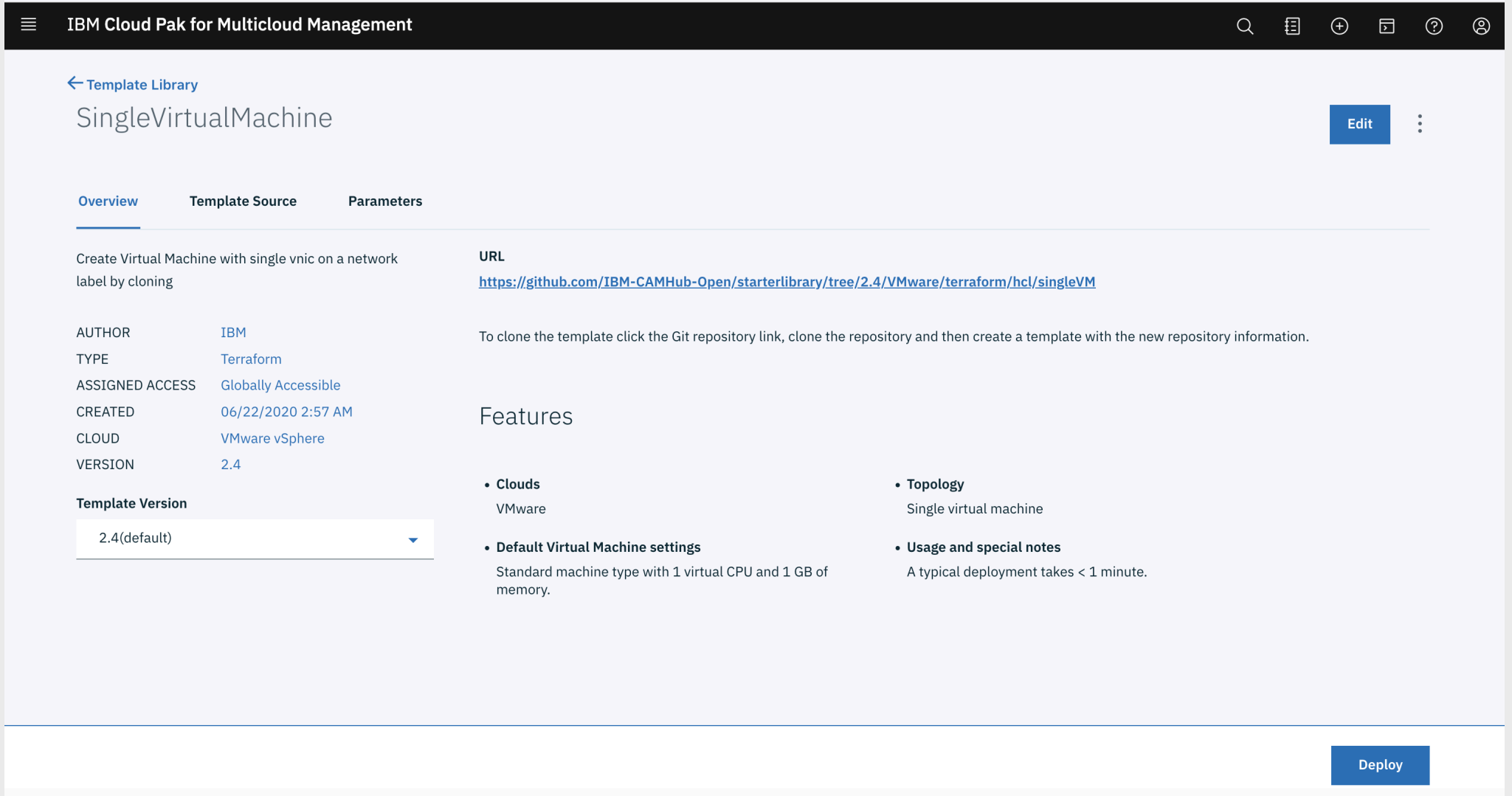
- **Middleware Templates**

Chef based middleware templates to install and configure single node or multi node middleware products.

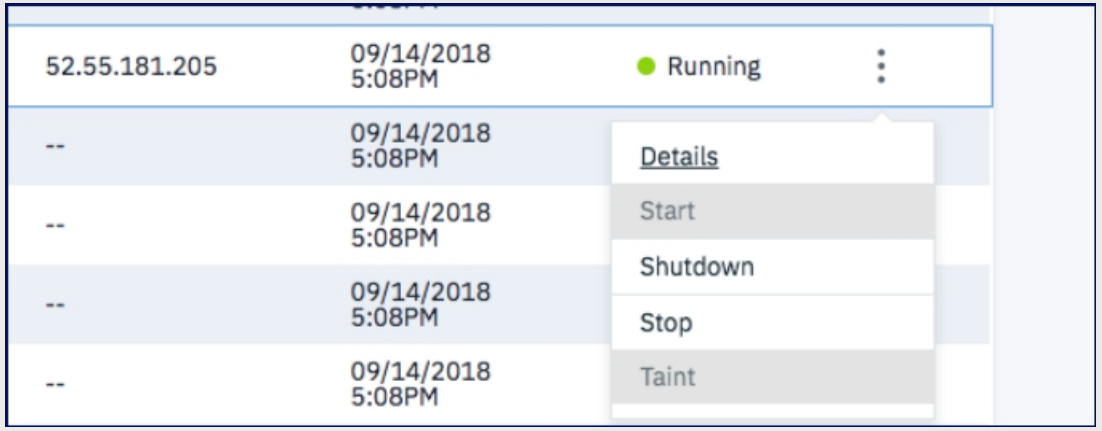
References to Chef cookbooks for use with a content runtime.

For example, WebSphere Application Server middleware, DB2, MQ.

Example: Deploy Single VM Template



VM operation commands available in the CAM for Deployed Instances



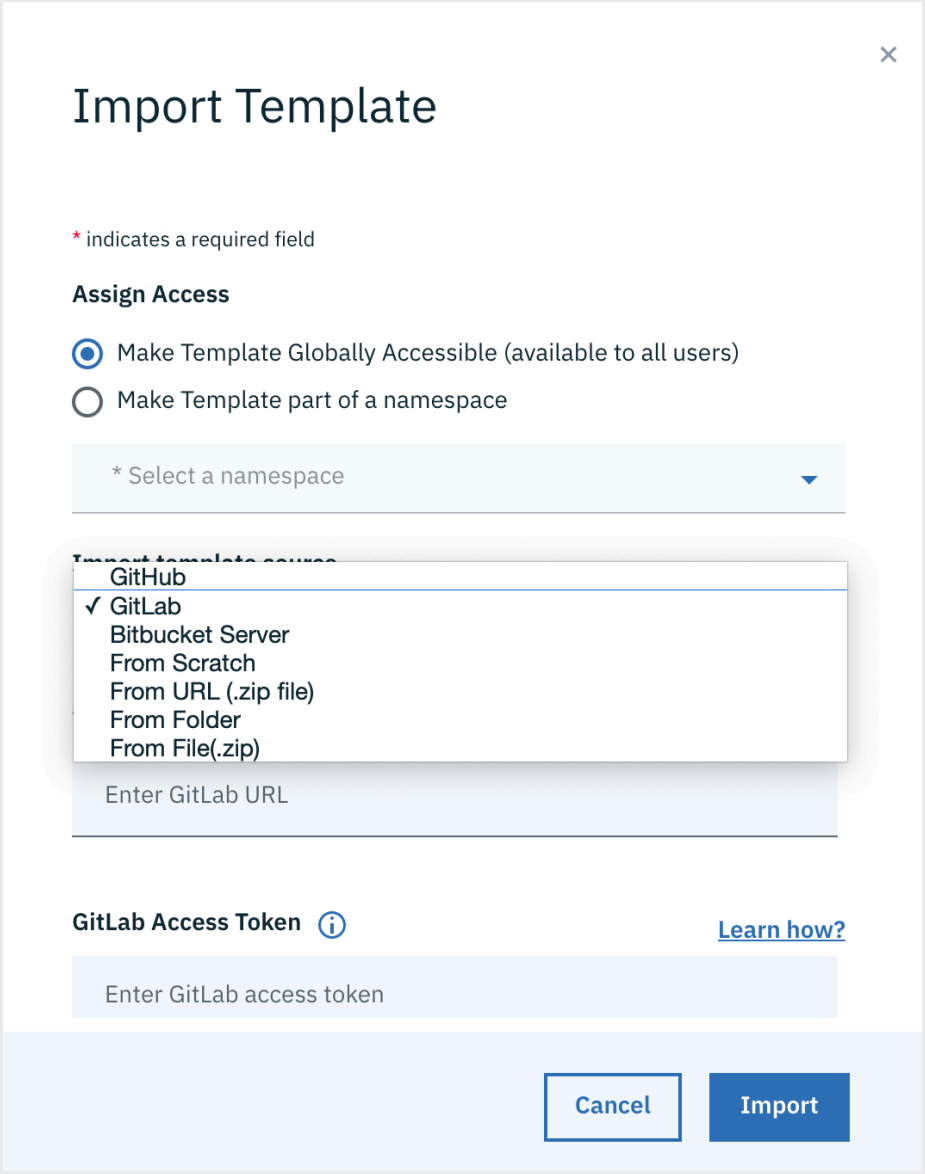
- **Shutdown** - *shutdown* the OS on a VM
- **Reset** – *reset and restart* a VM
- **Snapshot** - *snapshot* a VM
- **Stop** - *power off* a VM
- **Start** - *re-start* a powered off VM, *start* a shutdown OS
- **Taint** - mark a resource for cleanup on the next Terraform plan/apply
- **Untaint** – *unmark tainted resource*

Note: Not all cloud providers offer every options

https://www.ibm.com/support/knowledgecenter/SSFC4F_1.3.0/cam/cam_manage_vm_resource.html

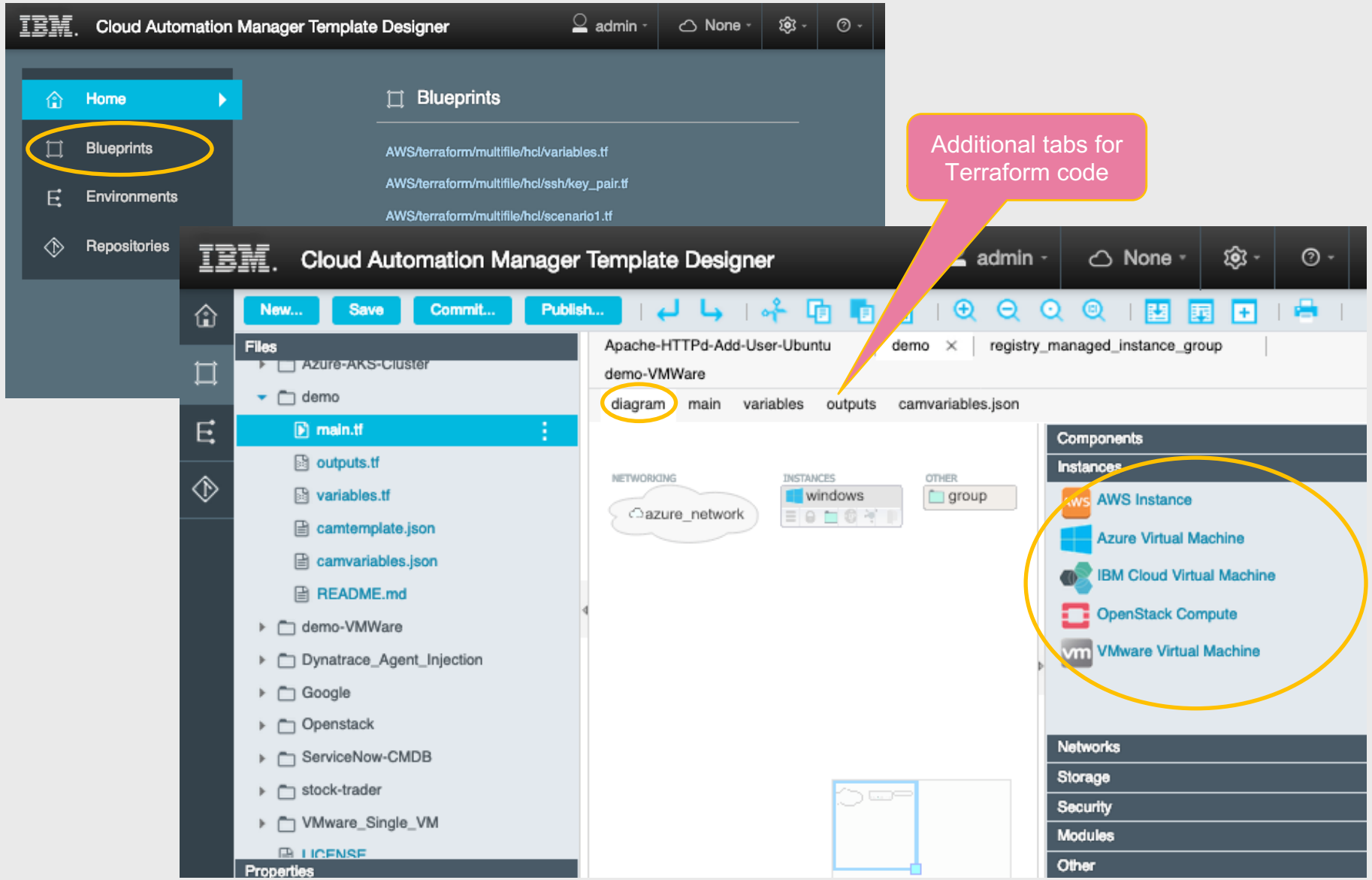
Importing CAM Templates

- Templates can be imported from a version control repository or directory uploading the source content into CAM
- Access can be restricted to a specific namespace



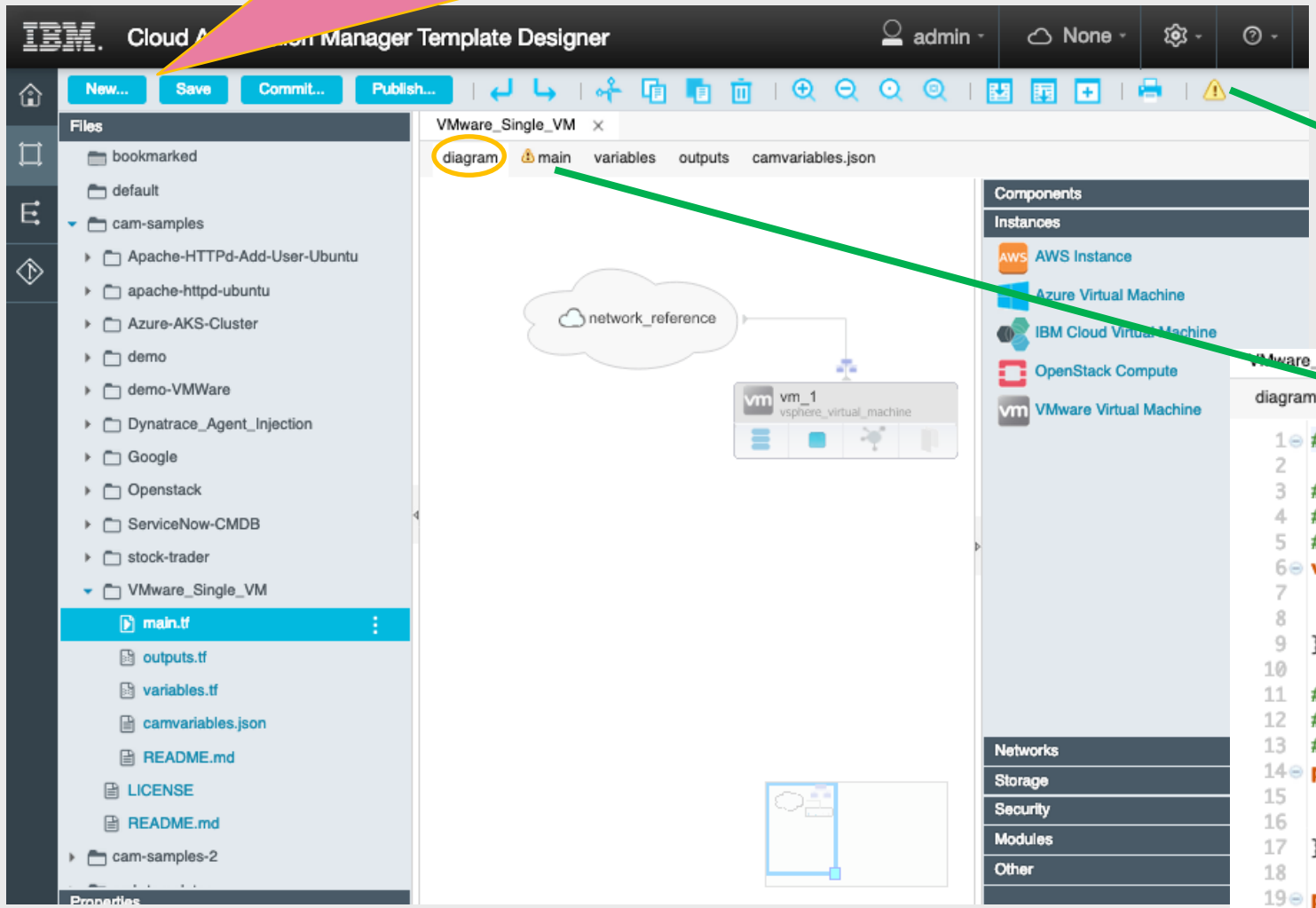
Working with CAM Template Designer Blueprints

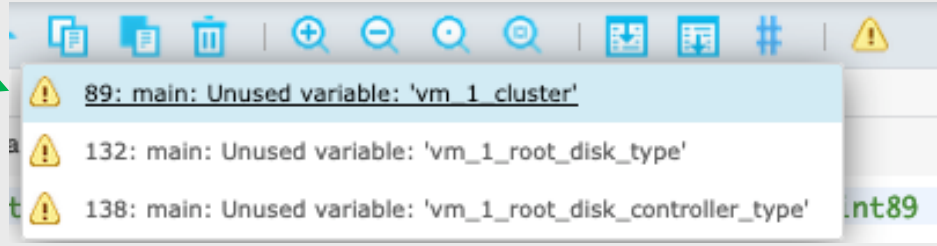
- Blueprints provide you with components that you can use to assemble a new collection into a services
- Give you access to Blueprints of existing resources
- Diagram tab displays the graphical view of the component
- Instances provide you with options for different clouds
- You can create and save new components

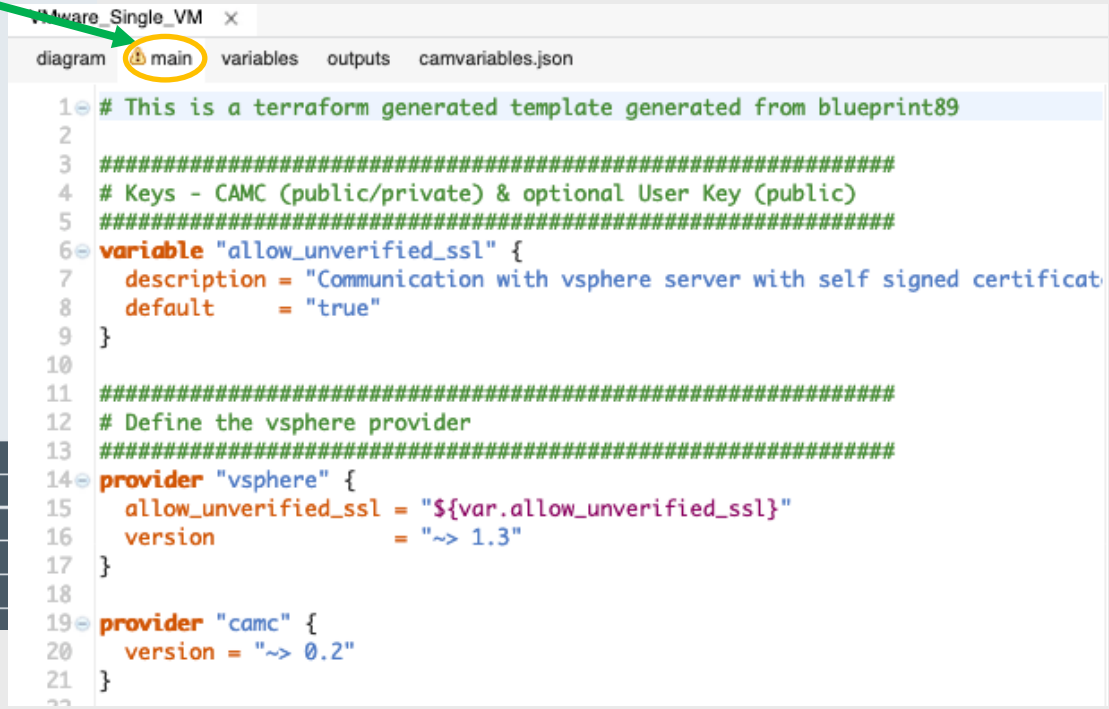


Working with CAM Template Designer Blueprints

Toolbar to create new or edit existing templates. The new templates are then saved and pushed to the the GitHub repository







Working with CAM Template Designer – Create new Blueprint!

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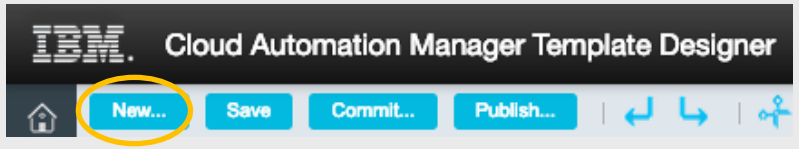

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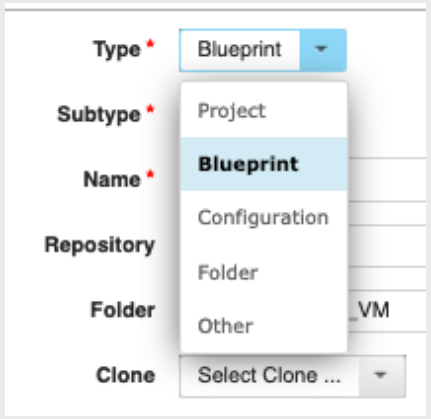

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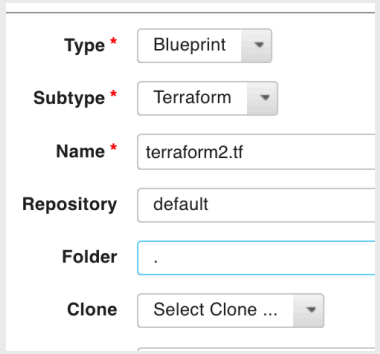

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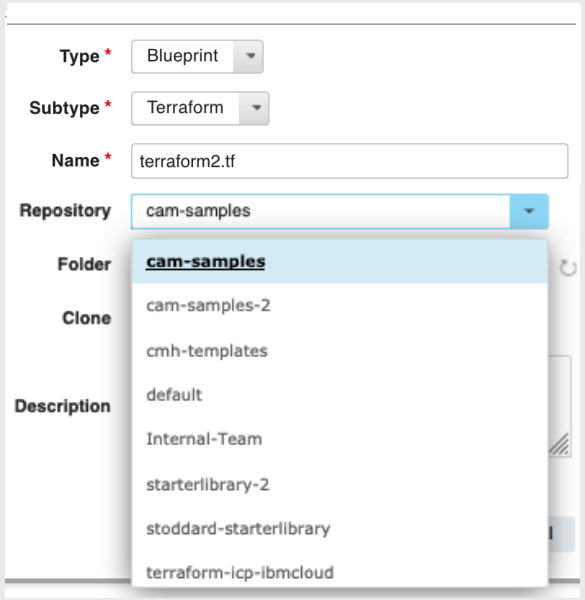

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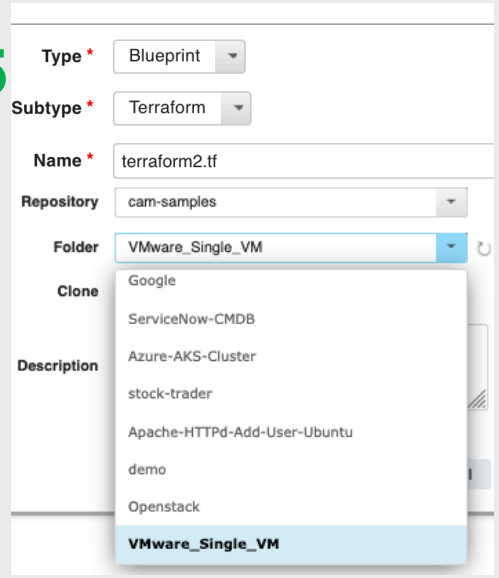

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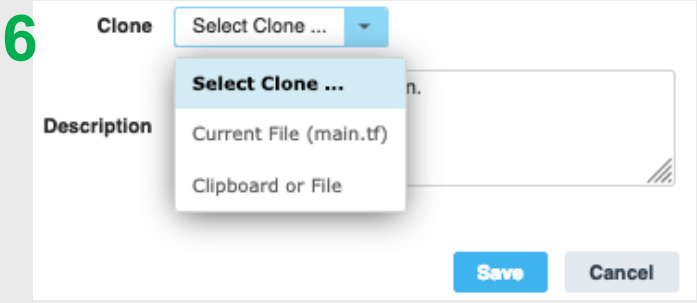

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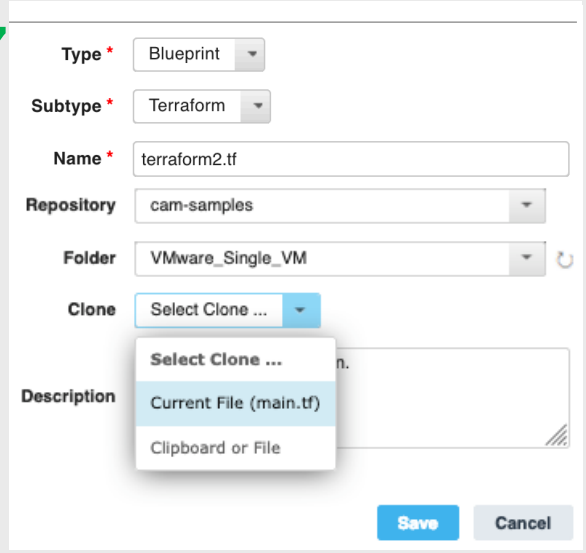

Working with CAM Template Designer – Create new project!

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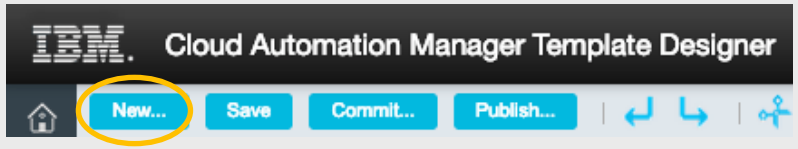

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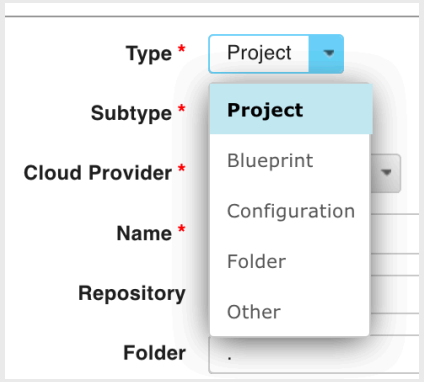

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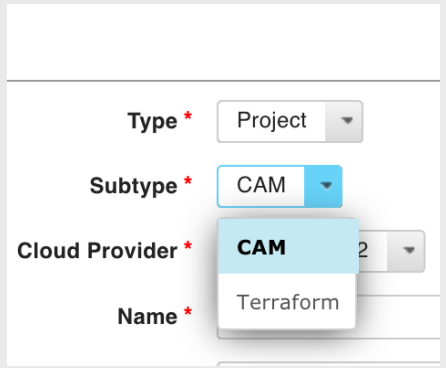

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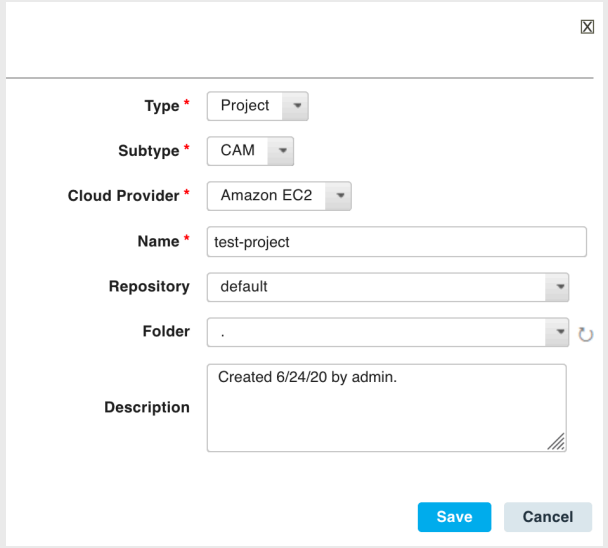

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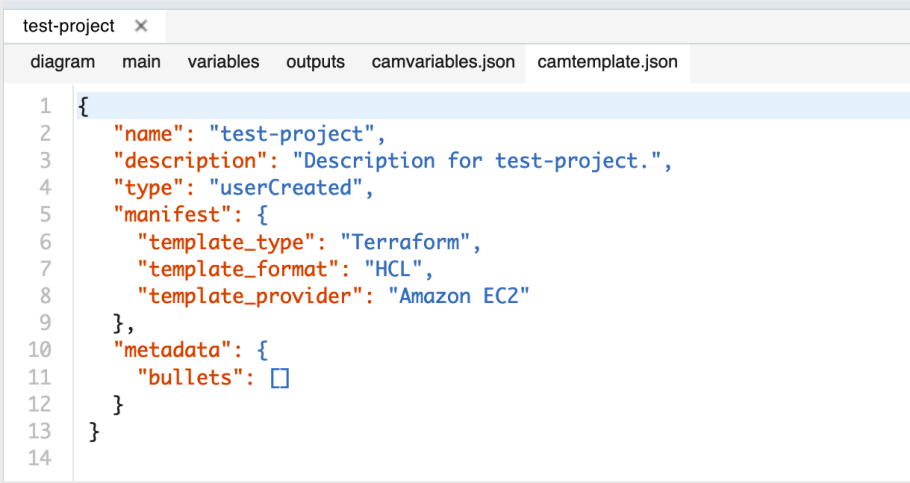

Working with CAM Template Designer – Create new file!

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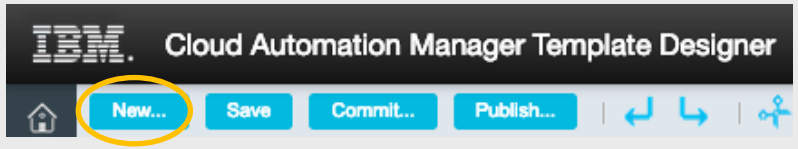

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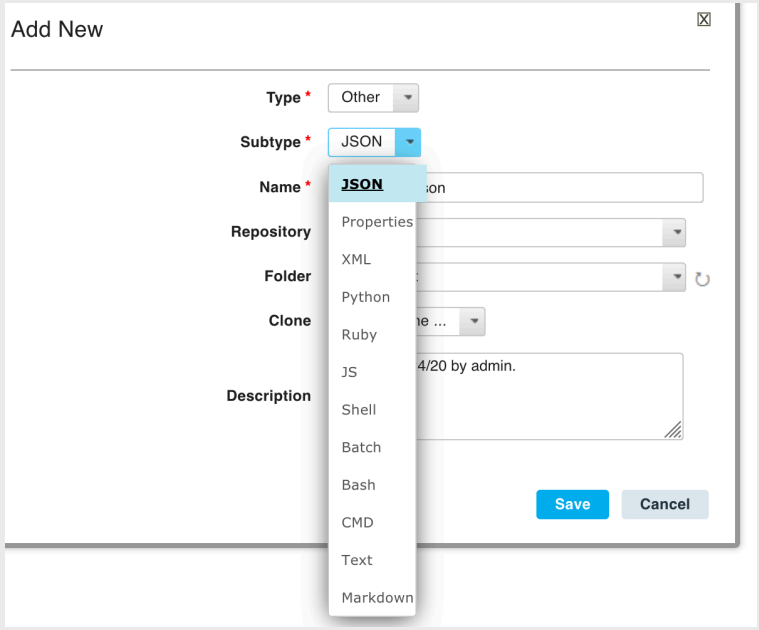

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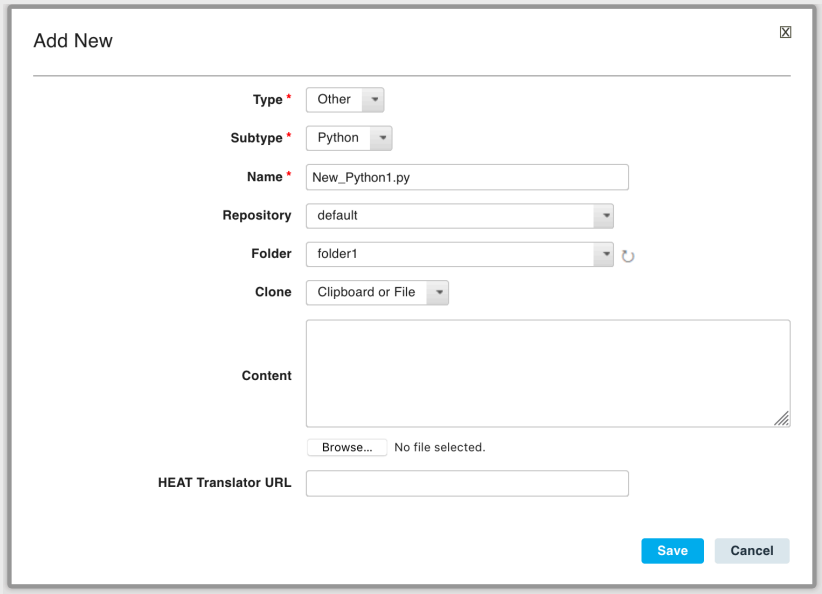

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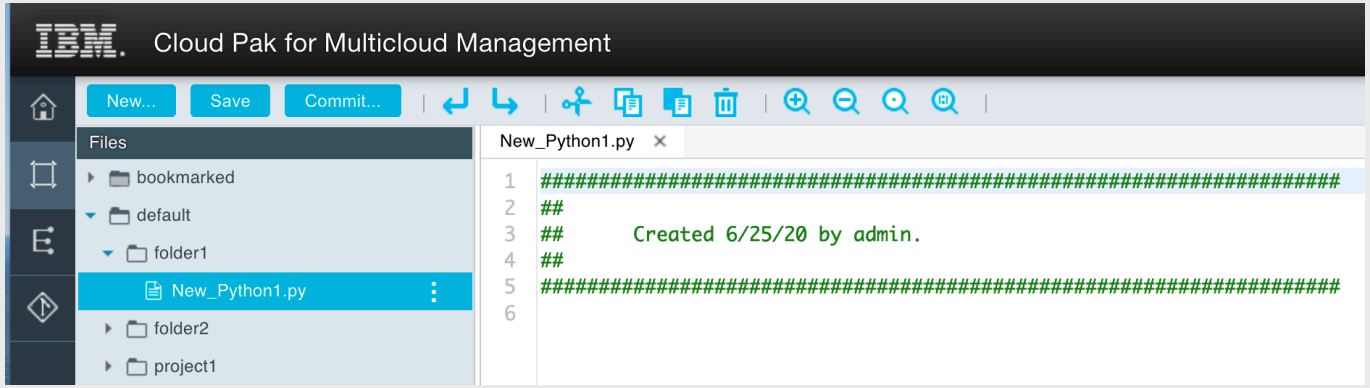
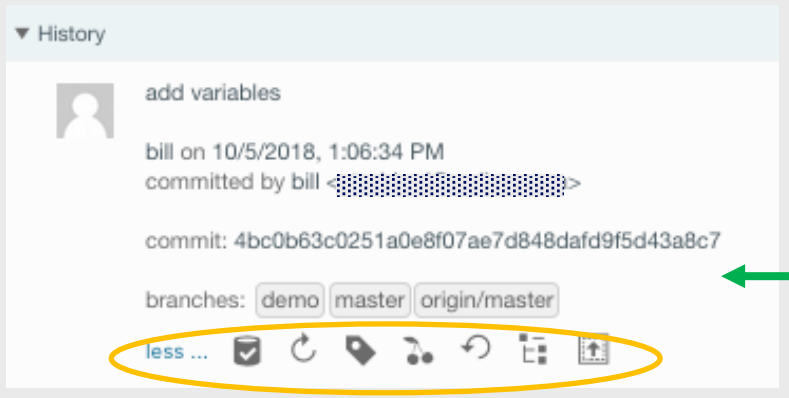


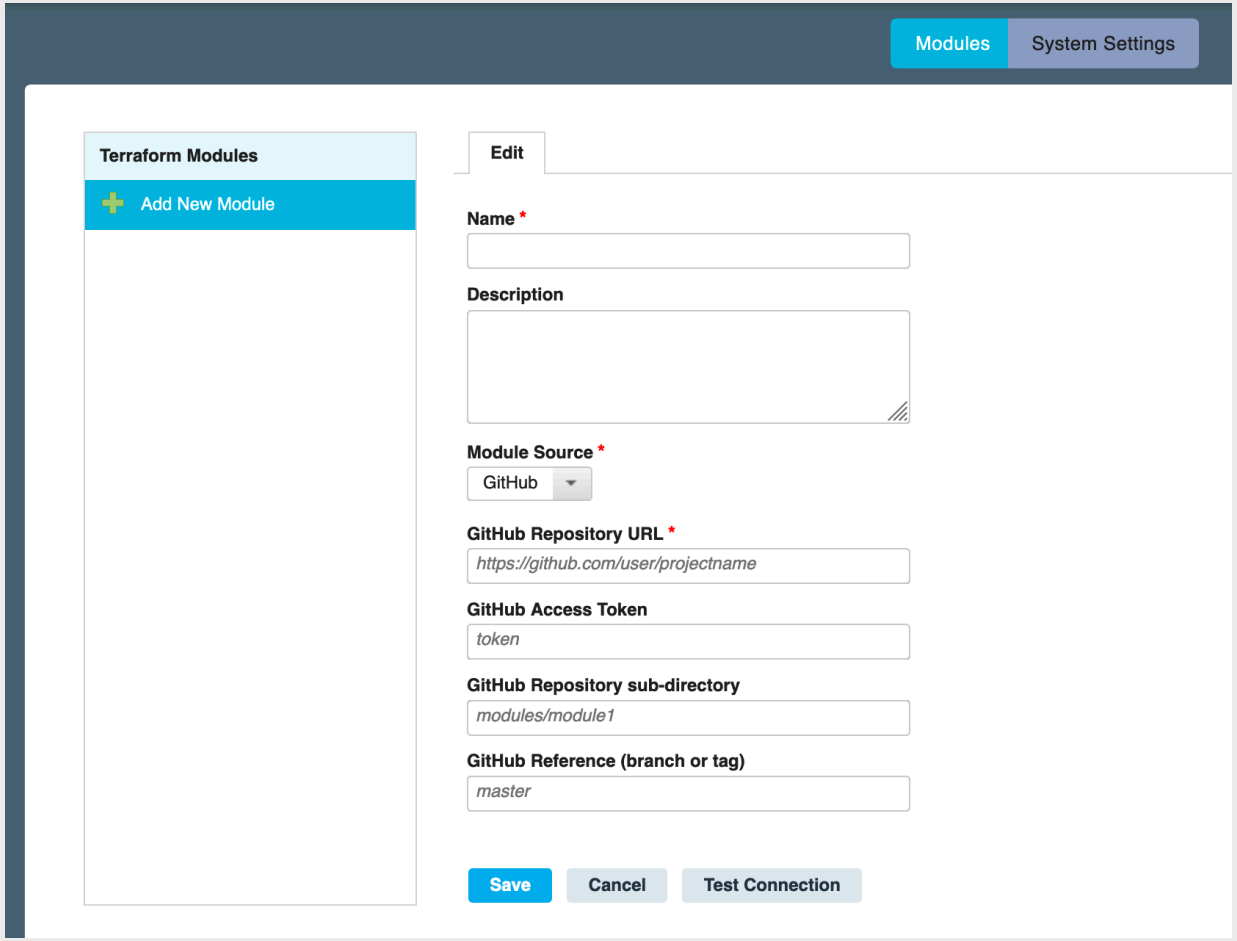
Working with CAM Template Designer - Repositories

- CAM Template Designer Repositories option provides connection to backend GitHub repositories



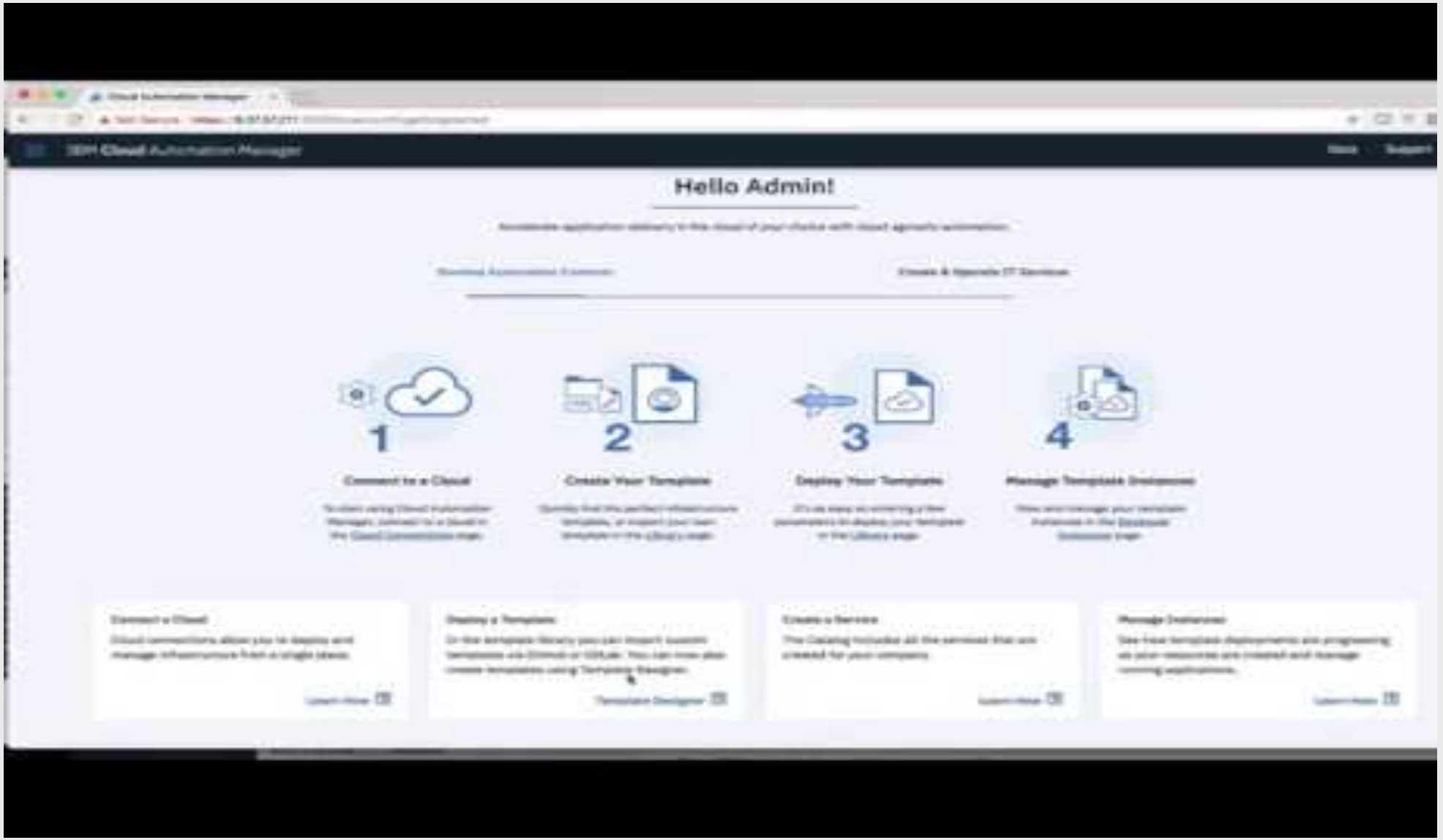
CAM Modules

- Modules are reusable Terraform building blocks that can be imported and used in CAM Templates
- These modules are stored, managed and maintained in GitHub repositories
- This interface only makes them visible on CAM



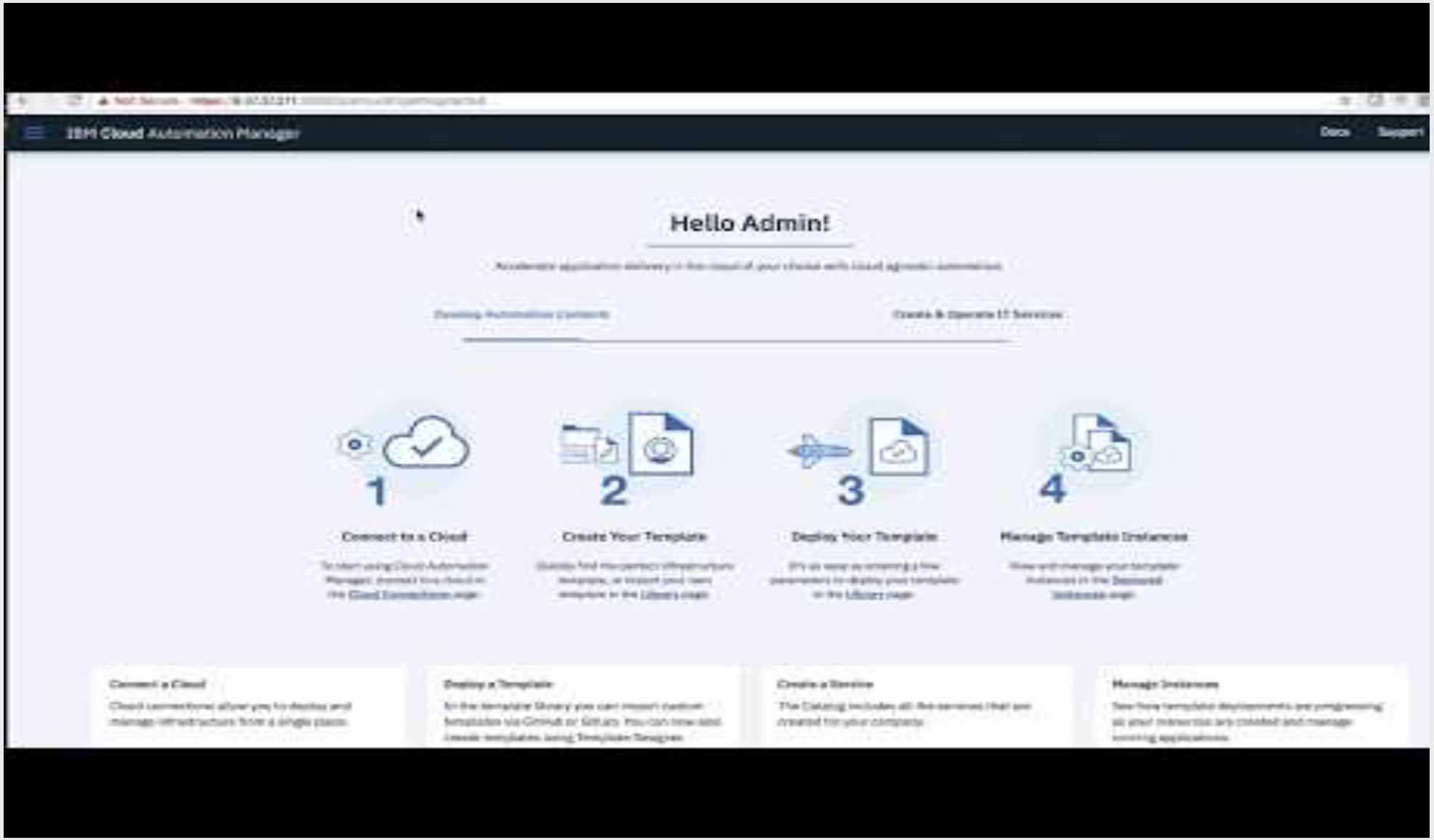
Working with CAM Template Designer

- Create and publish a new template using IBM CAM Template Designer



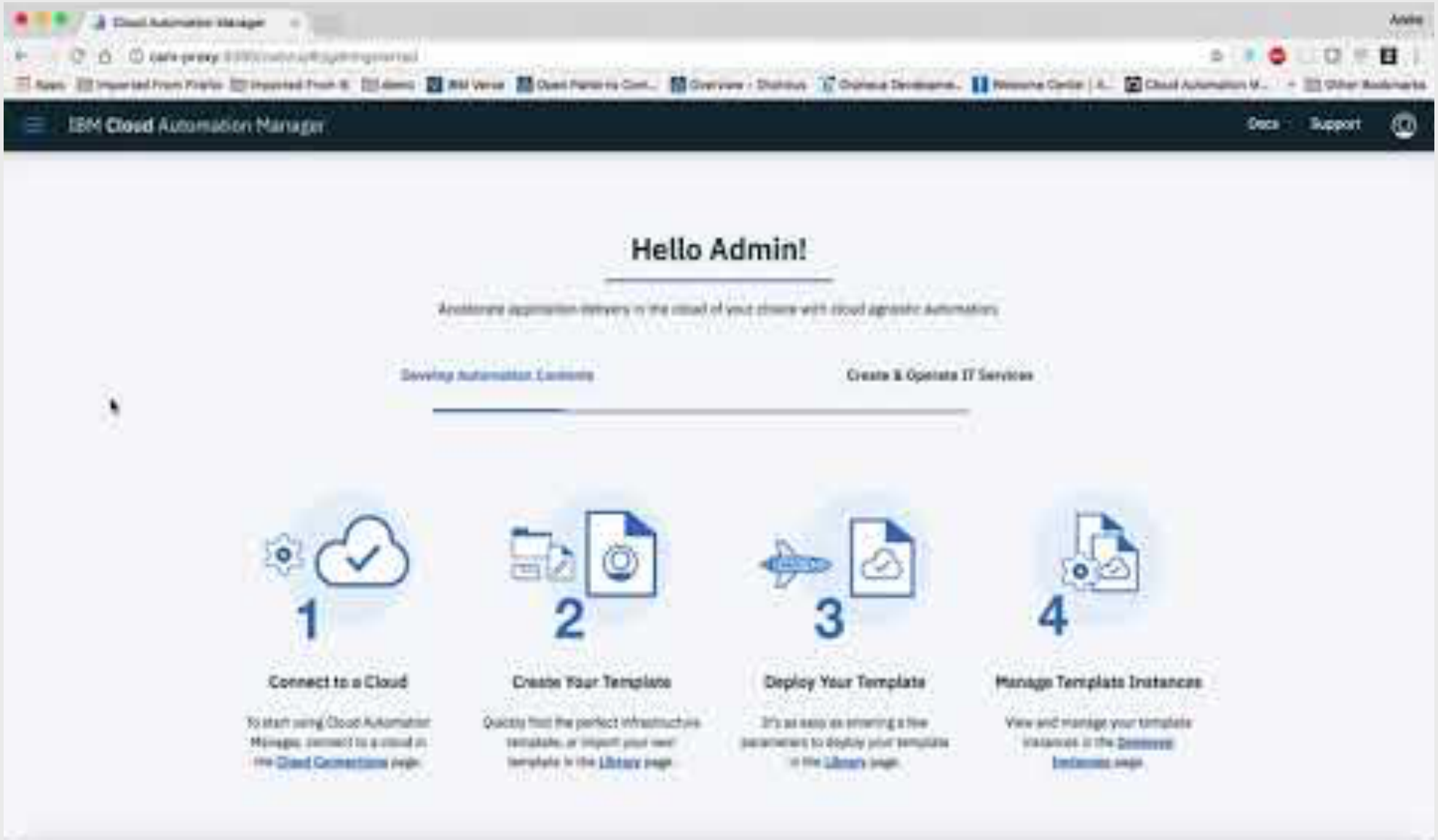
Working with CAM Template Designer

- Edit an existing template using IBM CAM Template Designer



Working with CAM Template Designer

- Make a change to, publish, and deploy a template using IBM CAM Template Designer



Summary

- Explored the CAM Template Designer
- Explored the CAM Template Library
- Learned how to connect CAM Template Designer to a GitHub repository
- Learned how to create and edit CAM templates