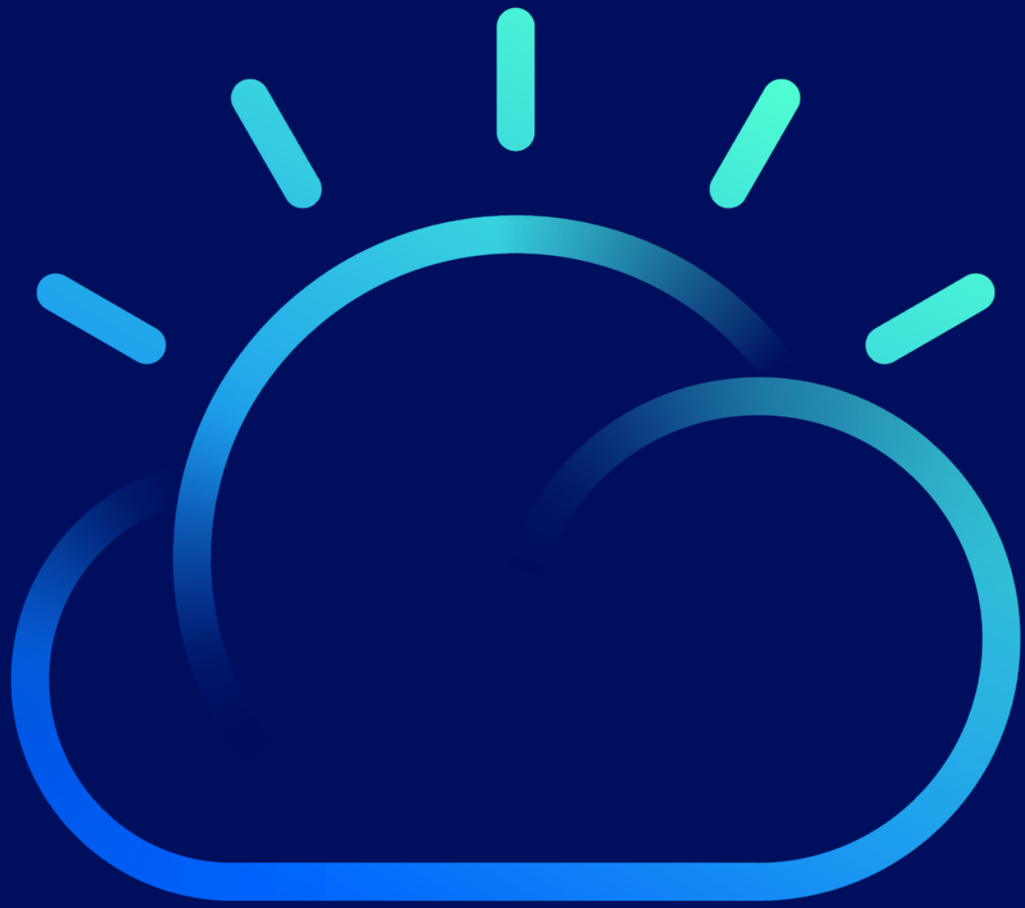
IBM Cloud Automation Manager Bootcamp



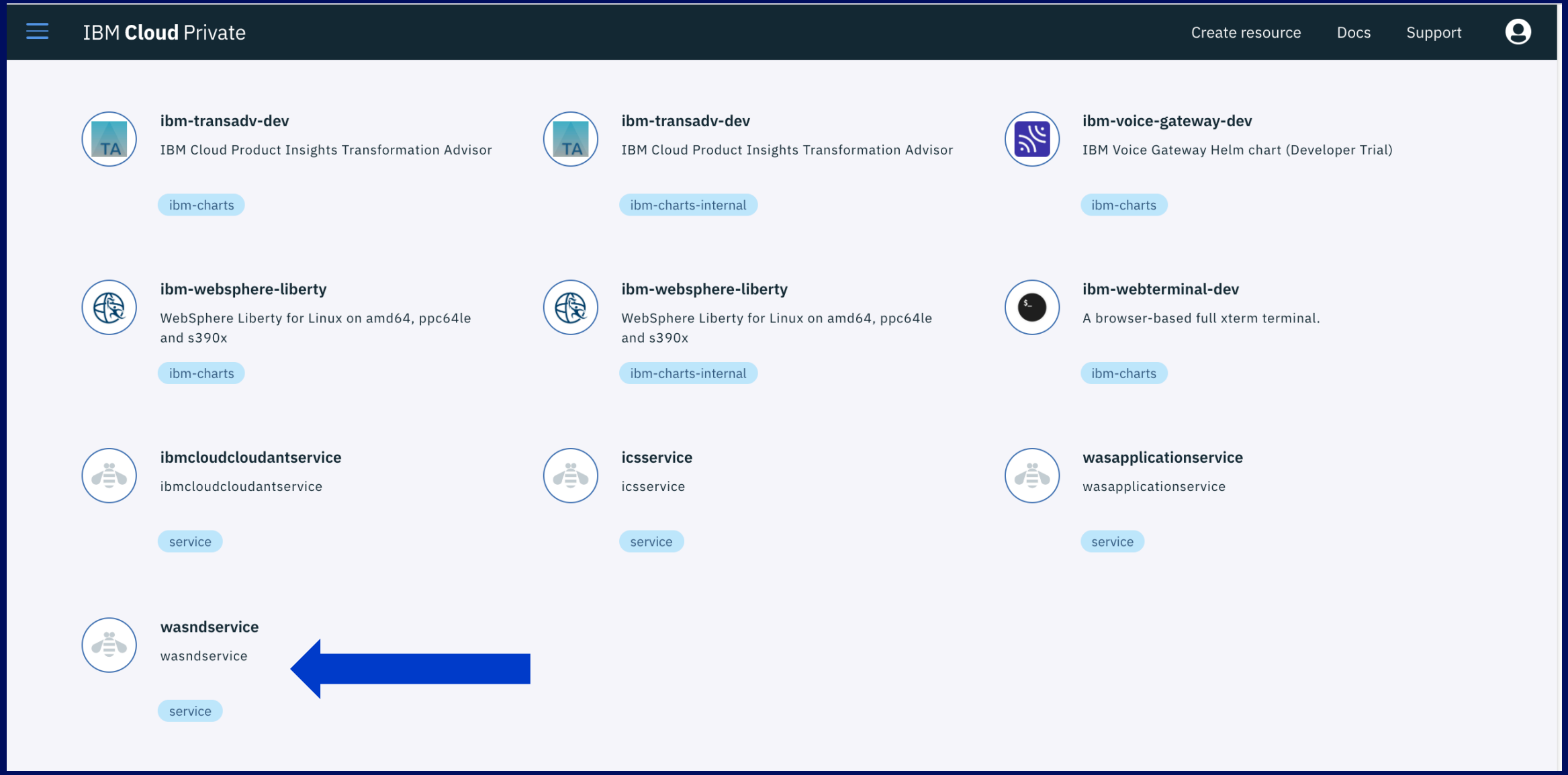
CAM Service Composer and Template Designer

IBM Cloud

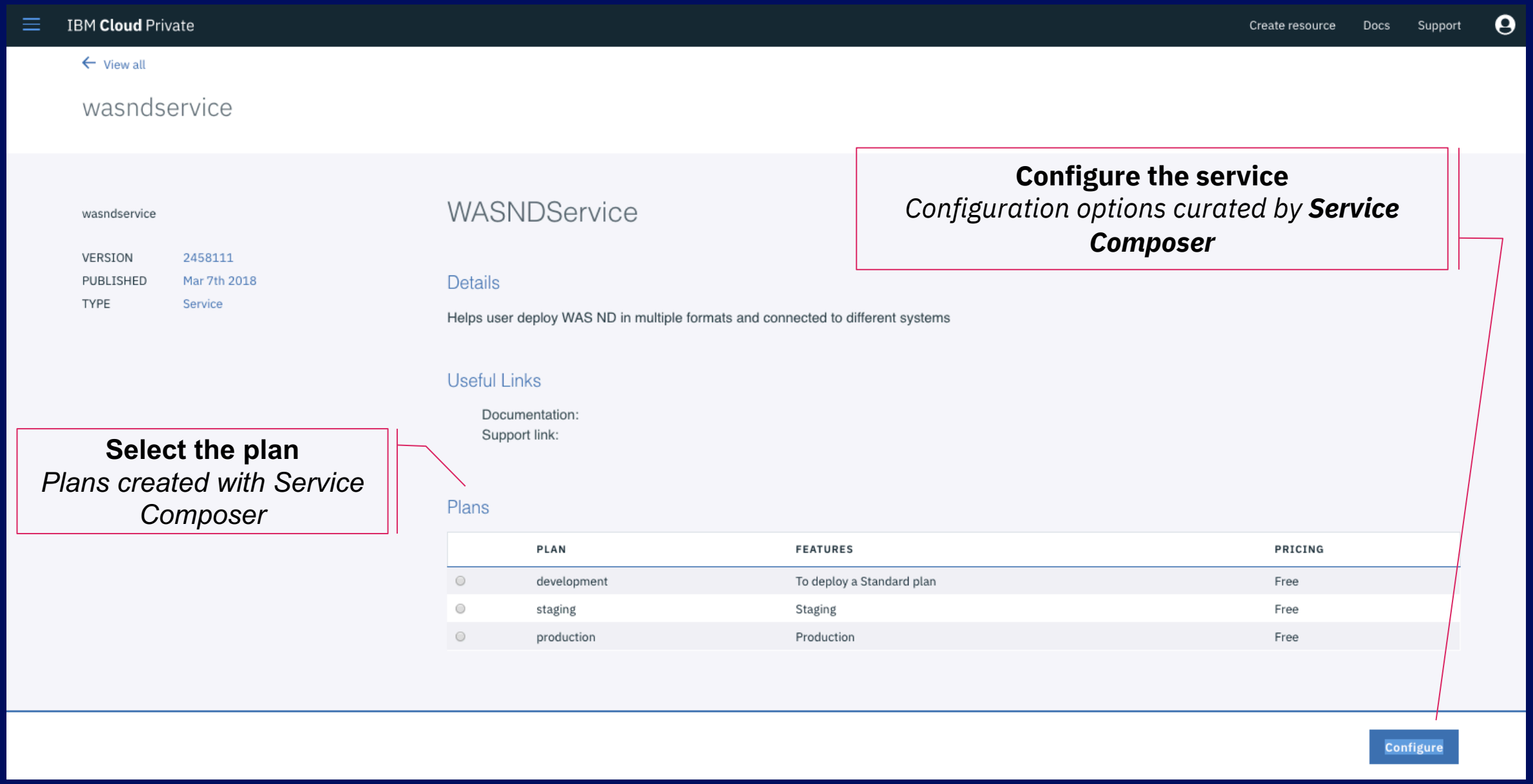
IBM **Cloud** Automation Manager

Service Composer & Template Designer

Example: A WAS ND Service built with *CAM Service Composer* delivered in the Service Catalog



Ordering the WAS ND Service

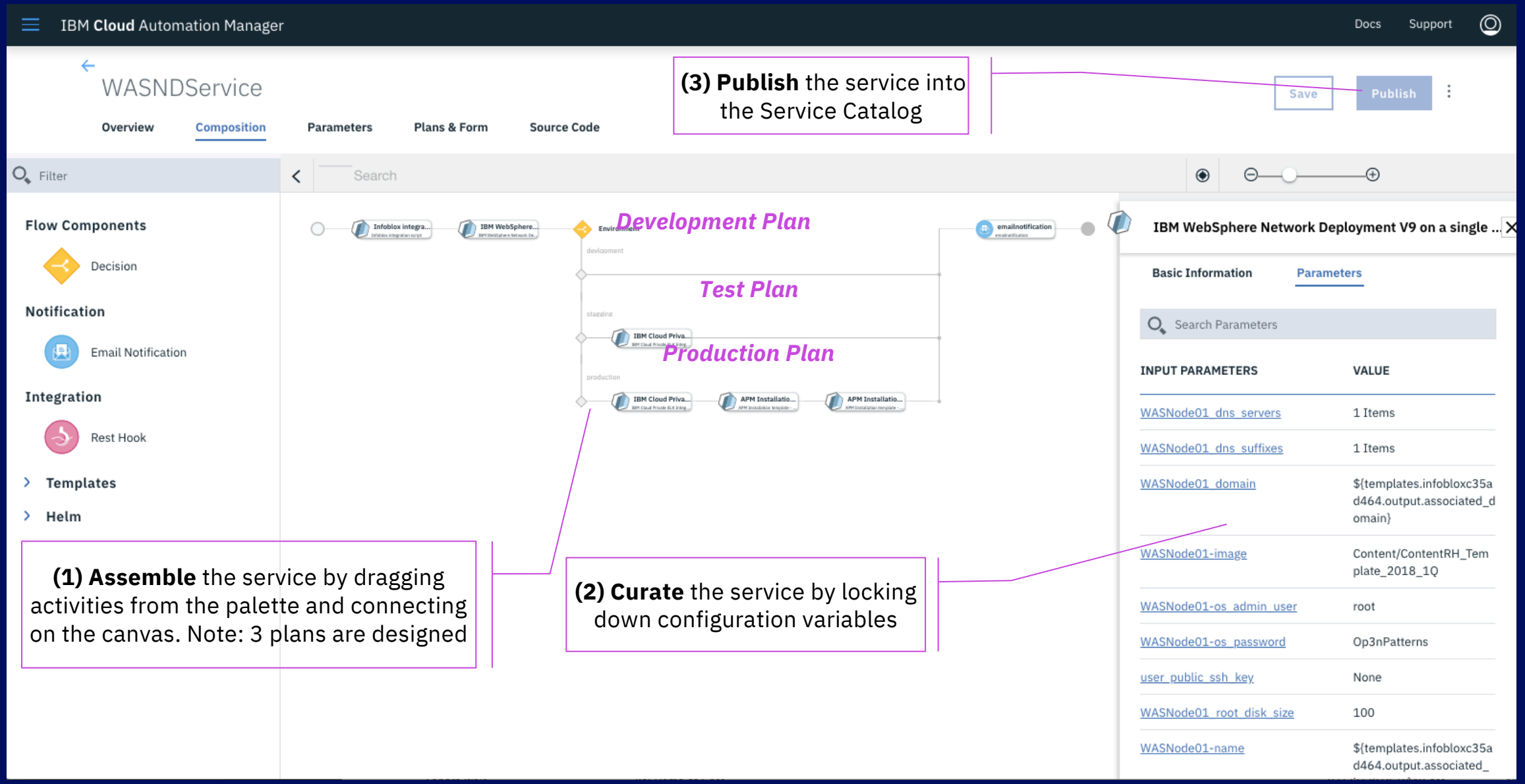


Configure the service
Configuration options curated by ***Service Composer***

Select the plan
Plans created with Service Composer

Build the WAS ND Service with **CAM Service Composer**

Three steps: Assemble, Curate, Publish



CAM Service Composer

Get IP Address

Select VM size

Configure variables

Publish into service catalog

Decision activity

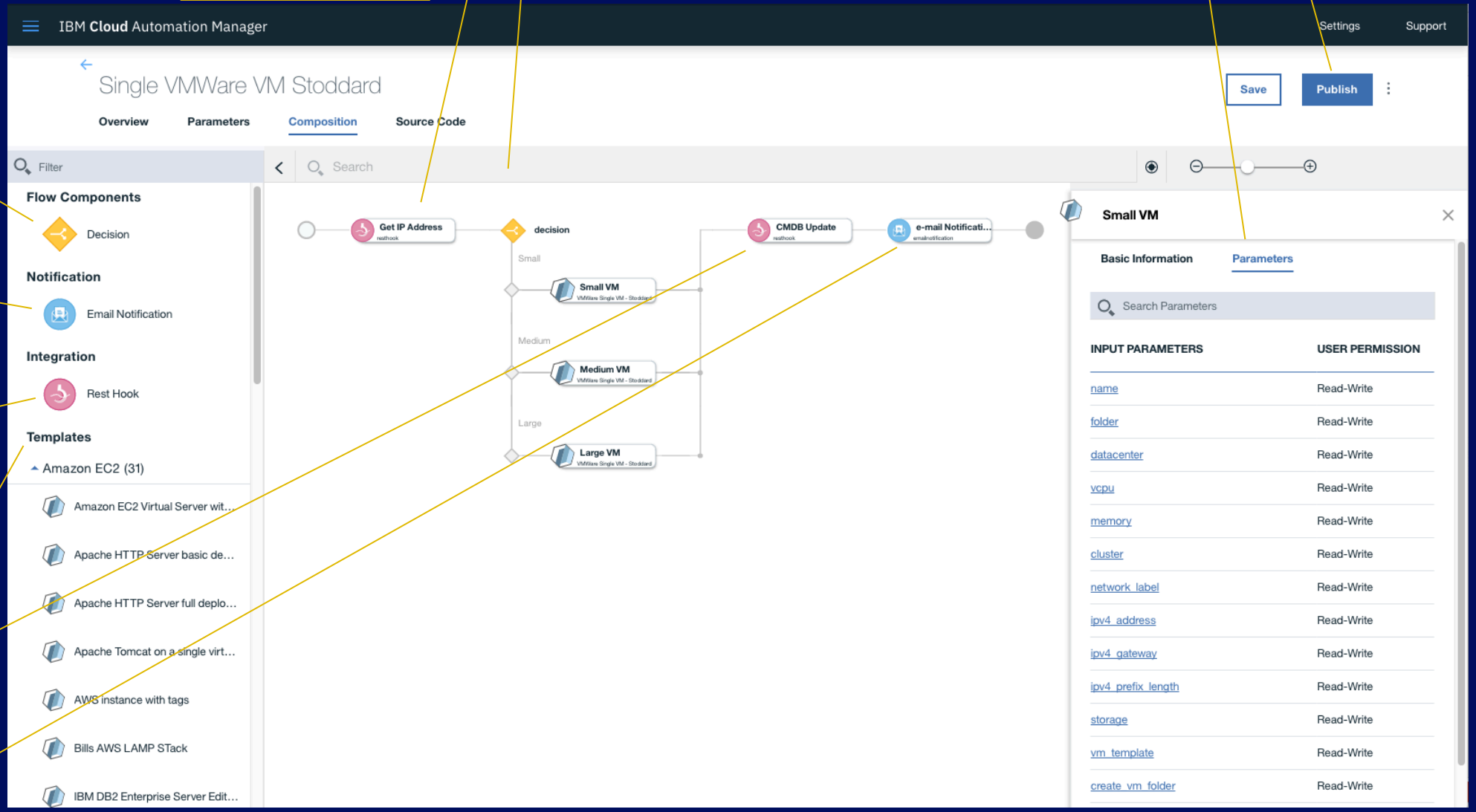
Notification

REST Hook activity

Terraform & Helm Charts

Register with CMDB

Notify that Environment Provisioned

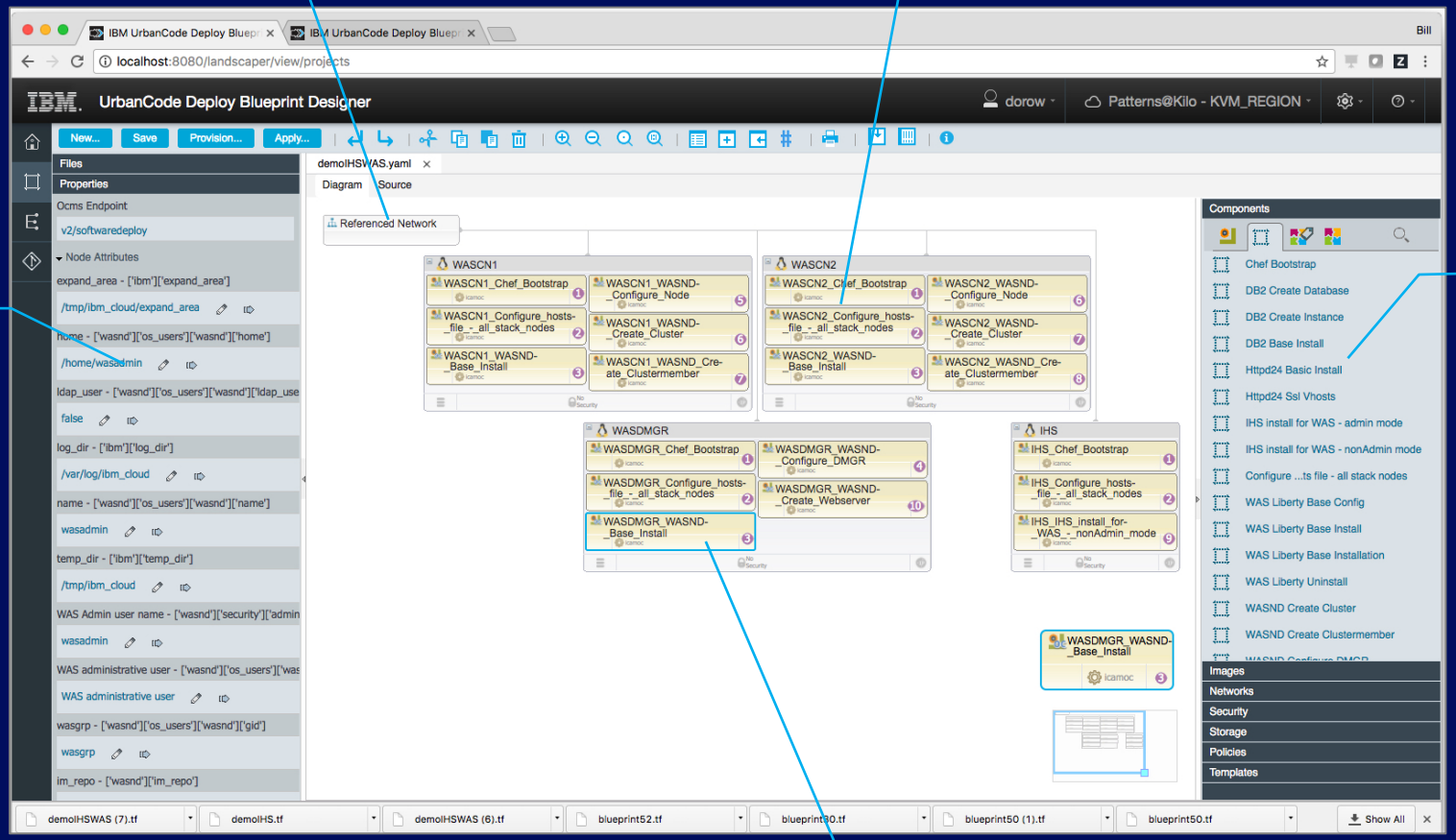


CAM Template Designer - *Graphical Terraform Editing*
Develop automation for any cloud FAST

Pre-built advanced topologies with expertise built in. **Save time and effort**

Drag and drop graphical editor. No programming required to configure or customize automations!

Configurable automation. Use right out-of-the box with recommended default values, or change them to get desired behavior and performance

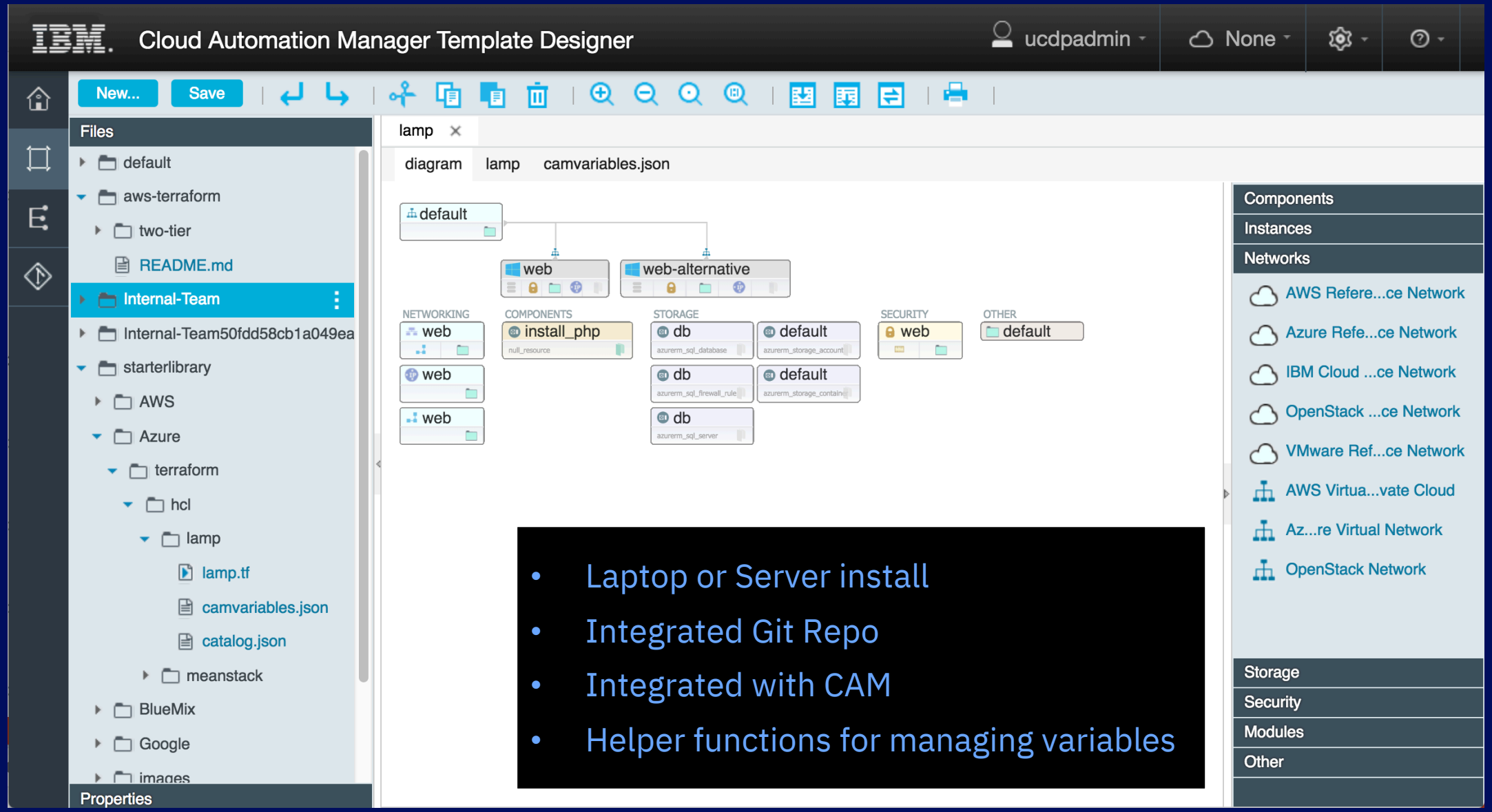


Subscribed **automation content** and self developed content all in one place. **Just select what you need and bring it into your canvas**.

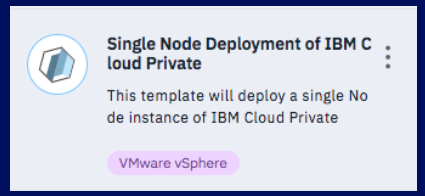
Tool is **integrated with DevOps toolchains**. Manage your automation creation processes **for higher efficiency**

Orchestrate with ease: define order by operations by numbering

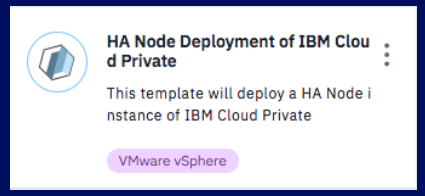
CAM Template Designer - *Graphical Terraform Editing*



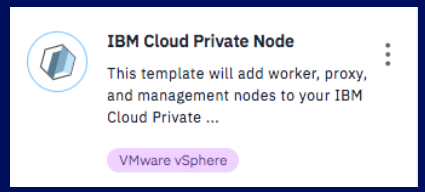
Terraform configurations to deploy, scale, and upgrade IBM Cloud Private



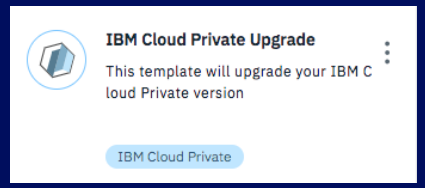
Single Node ICP Deployment



HA Node ICP Deployment



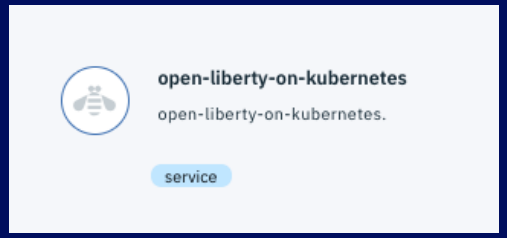
Scale worker nodes

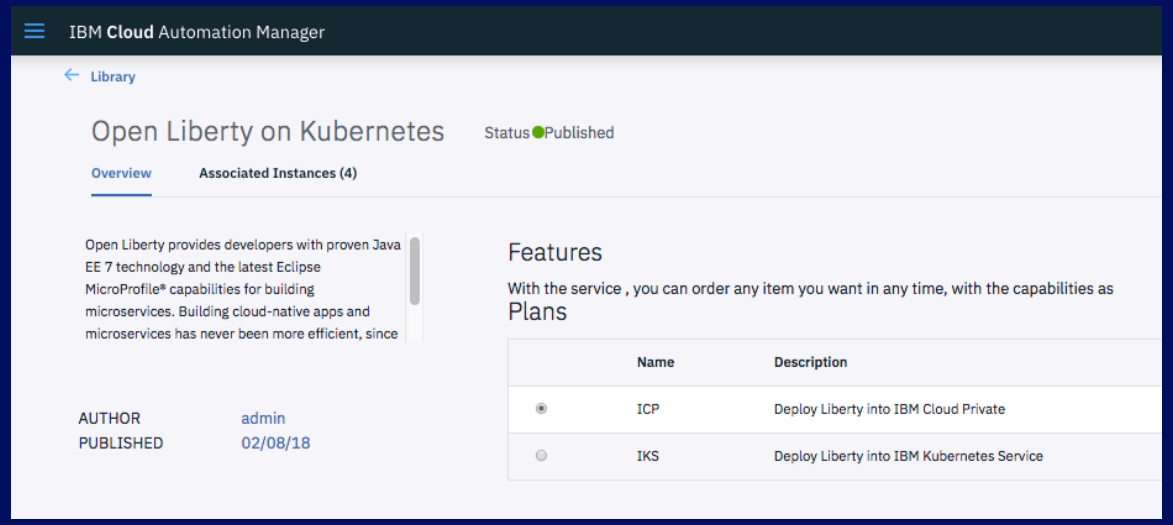


Upgrade ICP Version

- For OpenStack and VMware
- **Deploy** single node and multi-node HA ICPs
- **Scale** ICP clusters - add & remove worker nodes
- **Upgrade** ICP version
- Compose the **deploy**, **scale**, and **upgrade** Terraform configurations into ***services*** that can be delivered to teams through the ICP service catalog

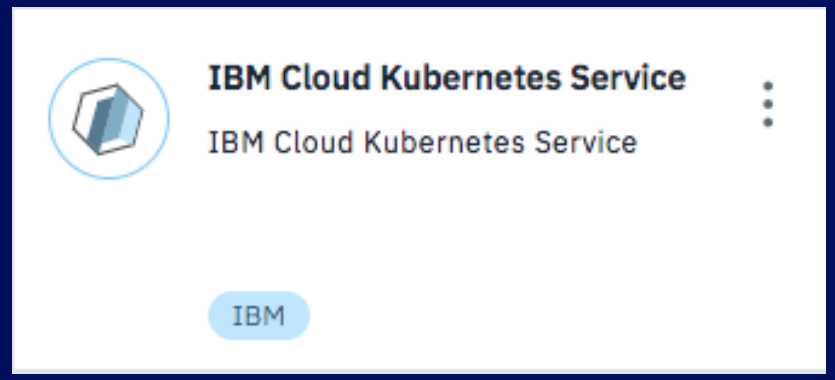
Deploy Helm charts into any ICP or IKS cluster





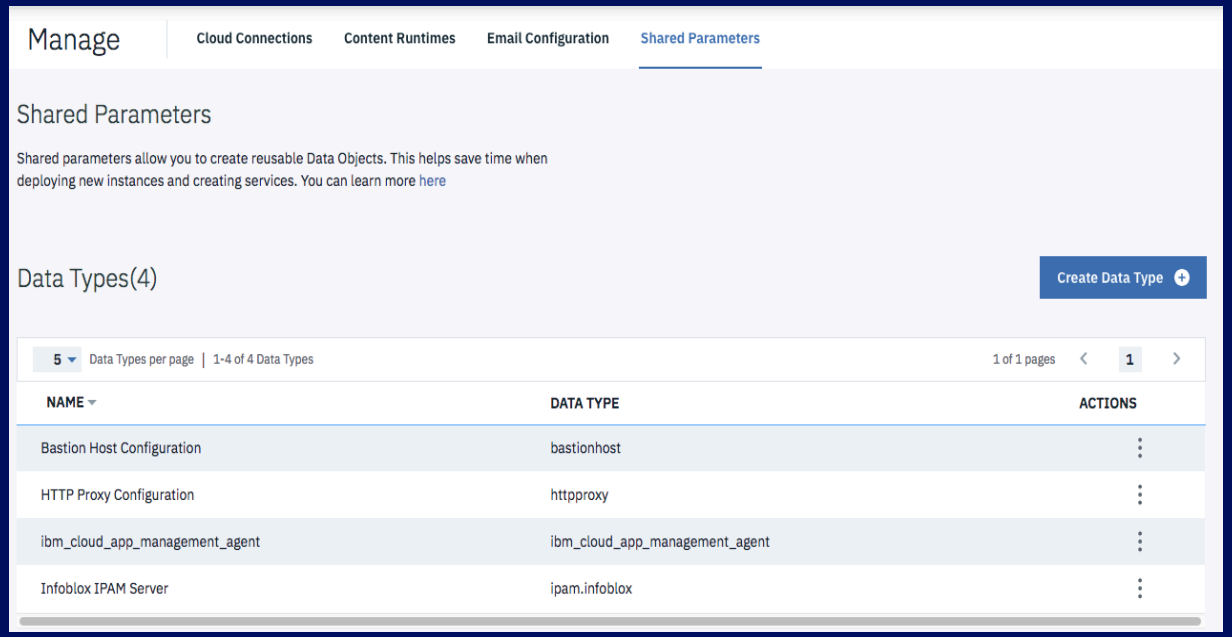
- Configure cloud connections to IKS or ICP Kubernetes endpoints, anywhere
- Compose services that can deploy Helm charts out of the local ICP catalog into remote or local ICP or IKS kube clusters

Use CAM to provision, and scale IBM Cloud Kubernetes Service (IKS) clusters



- Provision IKS in IBM Cloud with Terraform
- Install Helm Tiller
- Deploy Helm Charts from the ICP Catalog into the provisioned IKS instance
- Scale IKS nodes with Terraform plan/apply
- Update Helm Tiller version with Terraform plan/apply
- Compose IKS Terraform into a service that can be published in the IBM Cloud Private Service Catalog

Shared Parameters



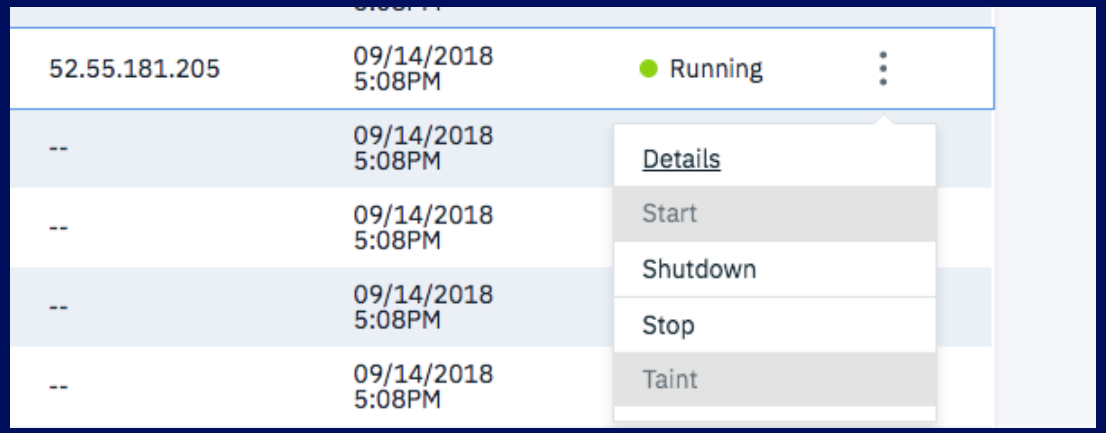
Pre-built shared parameters

- Infoblox
- IBM Cloud App Management

Store shared parameters in Git

- Share
- Reuse

New VM operation commands available in the CAM Deployed Instances console **for all clouds**



- **Shutdown** - *shutdown* the OS on 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

Limitations:

- OS shutdown path for some clouds will result in forced VM termination. This is a limitatation of the cloud, not of CAM. Details here
- Start/stop VM/OS not supported for Nutanix (this is roadmap)

Deploy Terraform based workloads through an HTTP proxy