NorthEast Maximo Users Group

Maximo Application Suite *Functional Upgrade Workshop*

May 9th, 2024
Providence, Rhode Island

With you today

Derek FU
Sr. Partner Technical Specialist
IBM Sustainability Software

LinkedIn:
https://www.linkedin.com/in/fuderek/

Agenda

1. Steps you need to get started
2. Maximo Application Suite architecture
3. MAS Core Administration
4. Questions …

Steps you need to get start

1

”STUDY” IBM / Redhat Product Documentation

2

Gather ”ALL” necessary components and services

3

”PRACTICE” in sandbox environment

4

”DOCUMENT” Functional and Non-Functional Requirements for MAS deployment

STUDY IBM / Redhat Product Documentation

IBM Maximo Application Suite version 8.8 and **Later**
https://www.ibm.com/docs/en/mas-cd

IBM Support – Maximo Application Suite Support
https://www.ibm.com/support/pages/maximo-application-suite-support-resources-home-0

IBM Maximo Application Suite CLI Utility
https://ibm-mas.github.io/cli/

MAS Develops Ansible Collection
https://ibm-mas.github.io/ansible-devops/

IBM Github – Single Node OpenShift
https://ibm-mas-manage.github.io/sno/

Redhat OpenShift cluster
https://docs.openshift.com/container-platform/4.14/installing/index.html

Other Maximo Related Web Sites:

Maximo Secrets – MAS Overview
https://maximosecrets.com/ibm-maximo-application-suite-overview/

Maximo Secrets – MAS Manage Overview
https://maximosecrets.com/ibm-maximo-manage-overview/

IBM Community – Asset & Facilities Manage
– Upgrading to IBM Maximo Application Suite
https://community.ibm.com/community/user/asset-facilities/modernize-maximo

Gather Necessary Components and Services 1 of 3

Redhat OpenShift Cluster:
- Hypervisor (IBM Cloud, AWS, Azure)
- Virtualization (VMWare, Redhat Virtualization)
- Bare Metal Servers

MAS Catalog Sources (Static vs Dynamic)

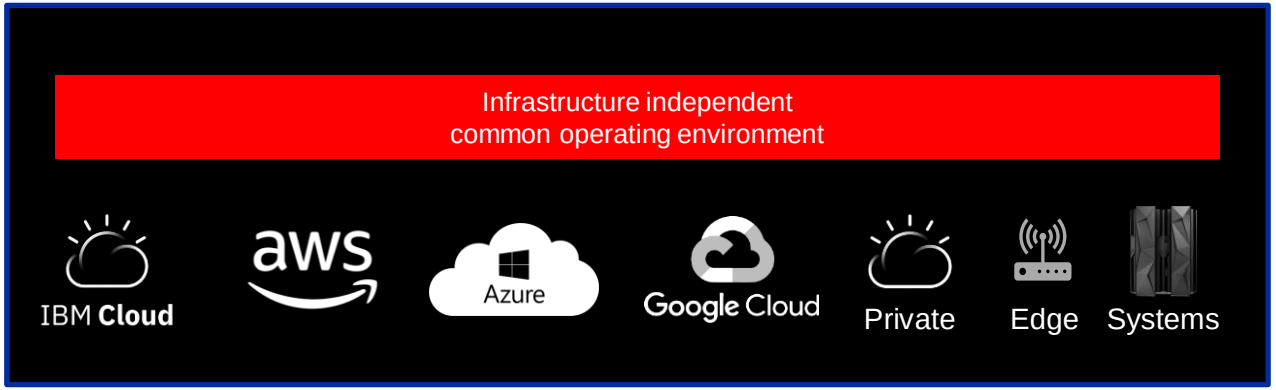
Identity Management (Single Sign On)

Domain Name Services (DNS)

Digital Signed Certificates

Storage Class Setup

Network Setup



Result:

A set of Architecture Document

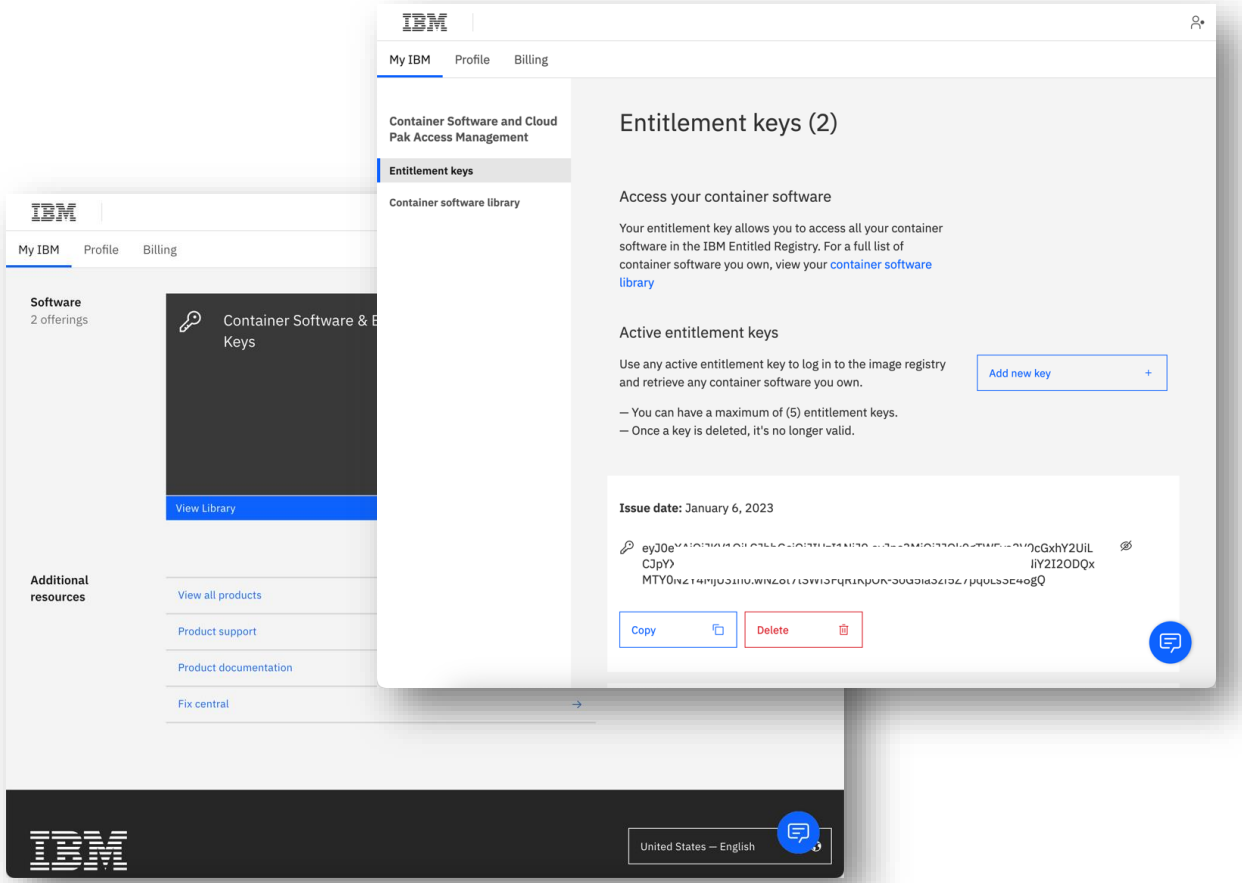
Gather Necessary Components and Services 2 of 3

IBM Container Software Library

https://myibm.ibm.com/products-services/containerlibrary

Result:

IBM_ENTITLEMENT_KEY
~176 characters string

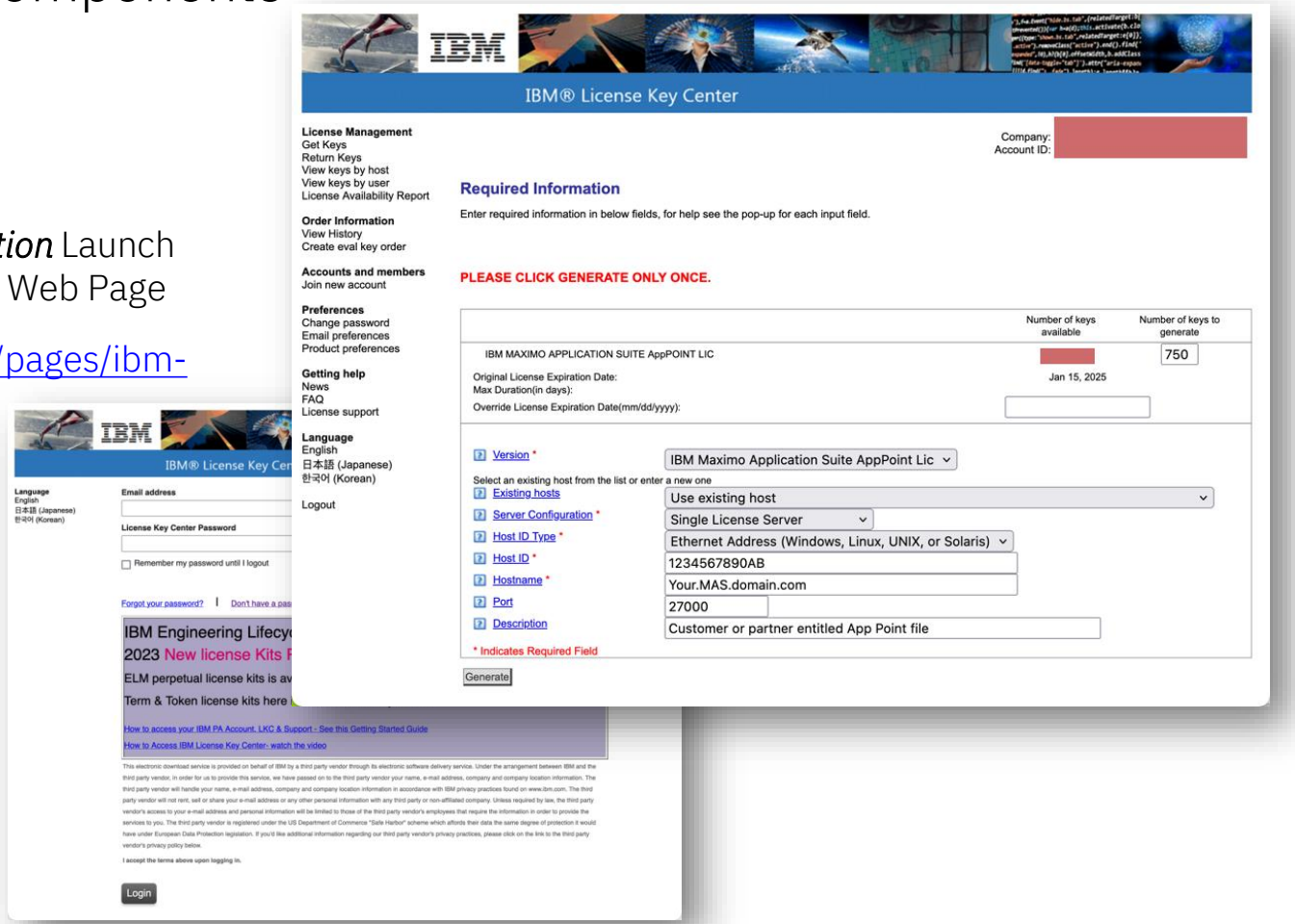


Gather Necessary Components and Services
3 of 3

IBM Support – Licensing
Manage your license keys – ***Action*** Launch
Log in to the License Key Center Web Page

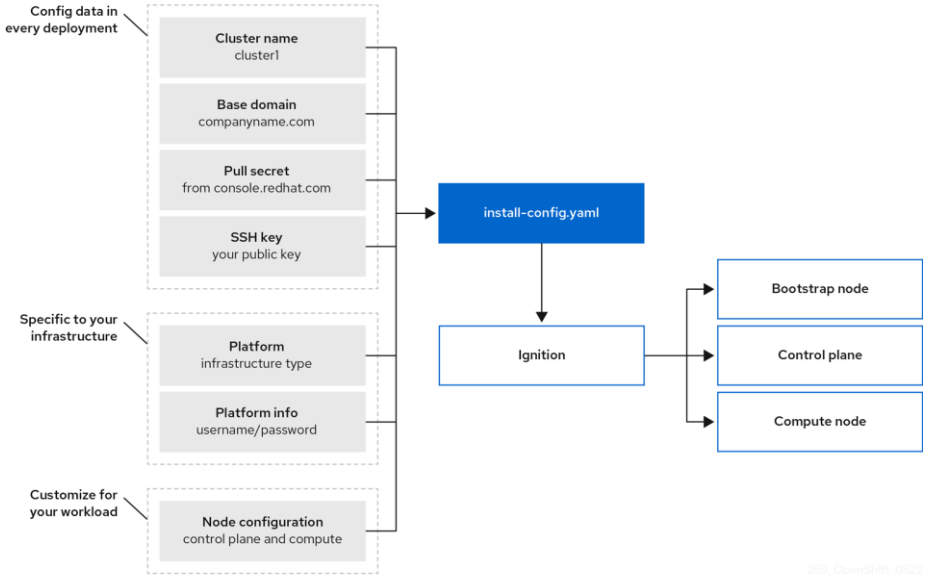
https://www.ibm.com/support/pages/ibm-support-licensing-start-page

Result:
A text file contain allocated App Point for deployment



Ways of getting Redhat OpenShift

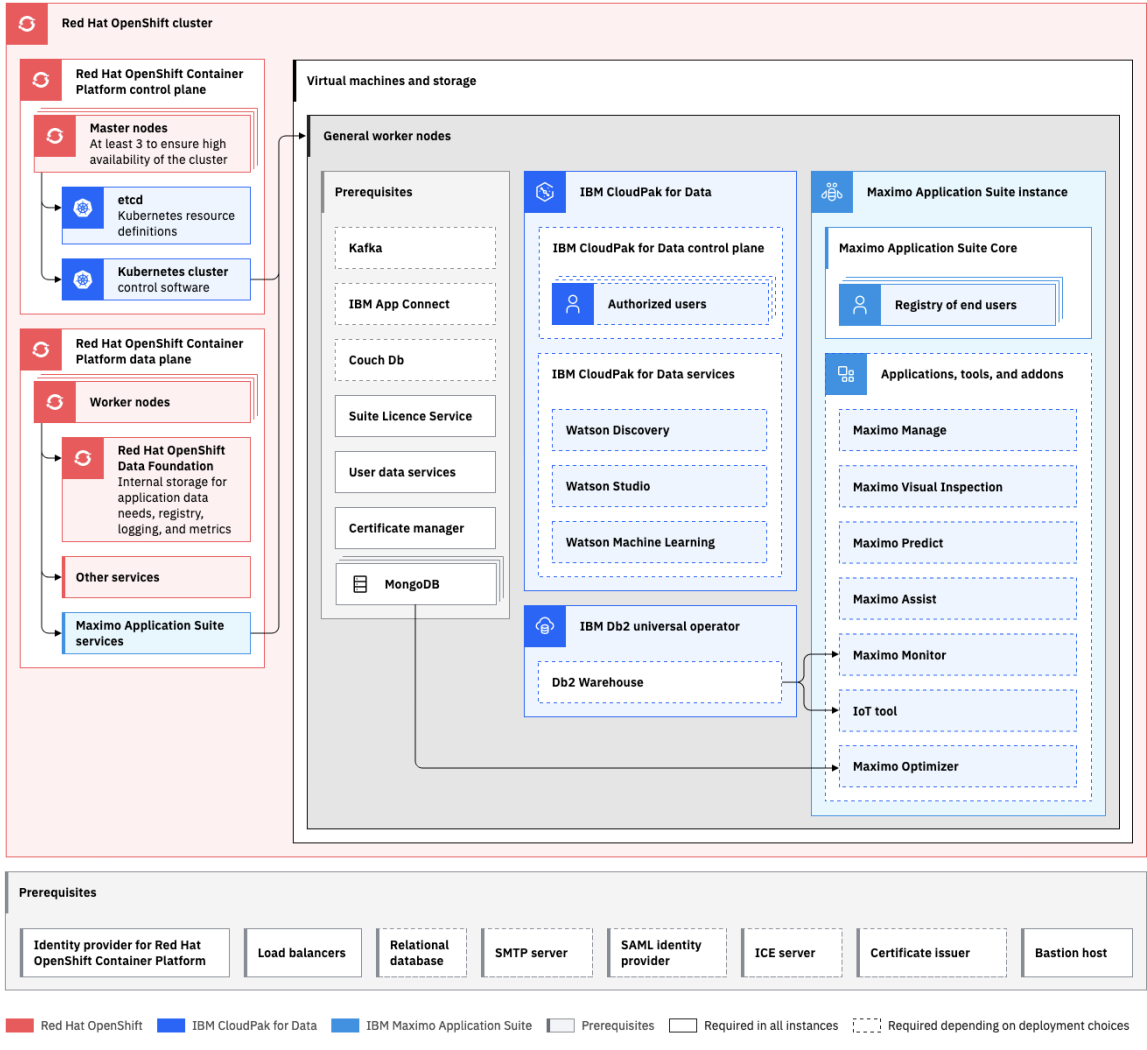
- ✓ IBM Cloud Satellite offering
- ✓ IBM SaaS offerings
- ✓ Partner / Private Cloud offerings
- ✓ Deploy Redhat OpenShift options:
  - Interactive: Web-based Assisted Installer
  - Local Agent-based: Agent-based Installer
  - Automated: Installer-provisioned Infrastructure (IPI)
  - Full control: Prepare your own with maximum customizability
- ✓ On Cloud providers:
  - Alibaba, AWS (ROSE), Azure (ARO), GCP, IBM Cloud (ROKS)
- ✓ On bare metal
- ✓ On vSphere
- ✓ Others ...



How MAS Reside within OpenShift Cluster

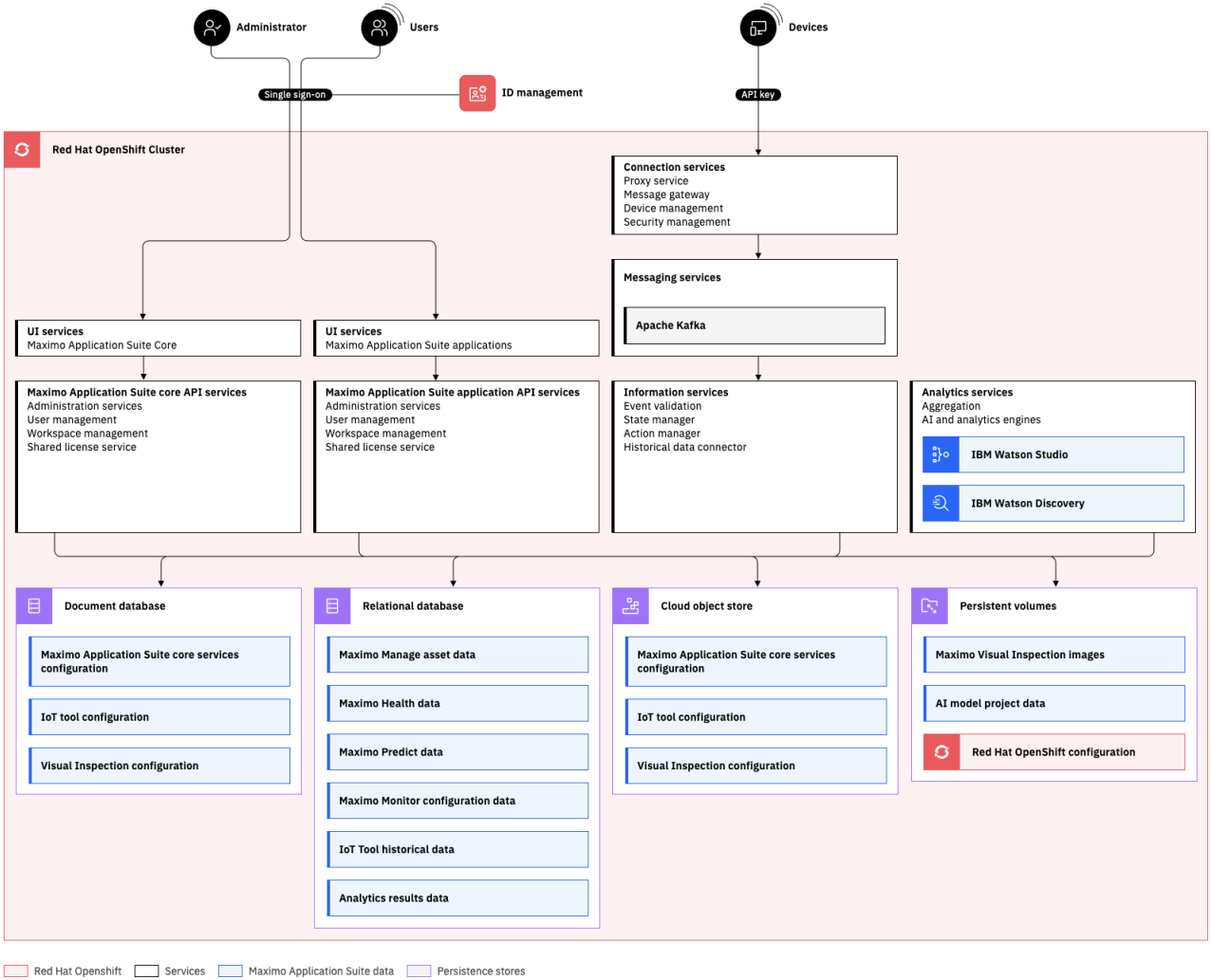
Current Release of Maximo Application Suite 8.11 and Redhat OpenShift logical components architecture

Please noted those Prerequisites components and services could be best confirmed and available prior to MAS installation

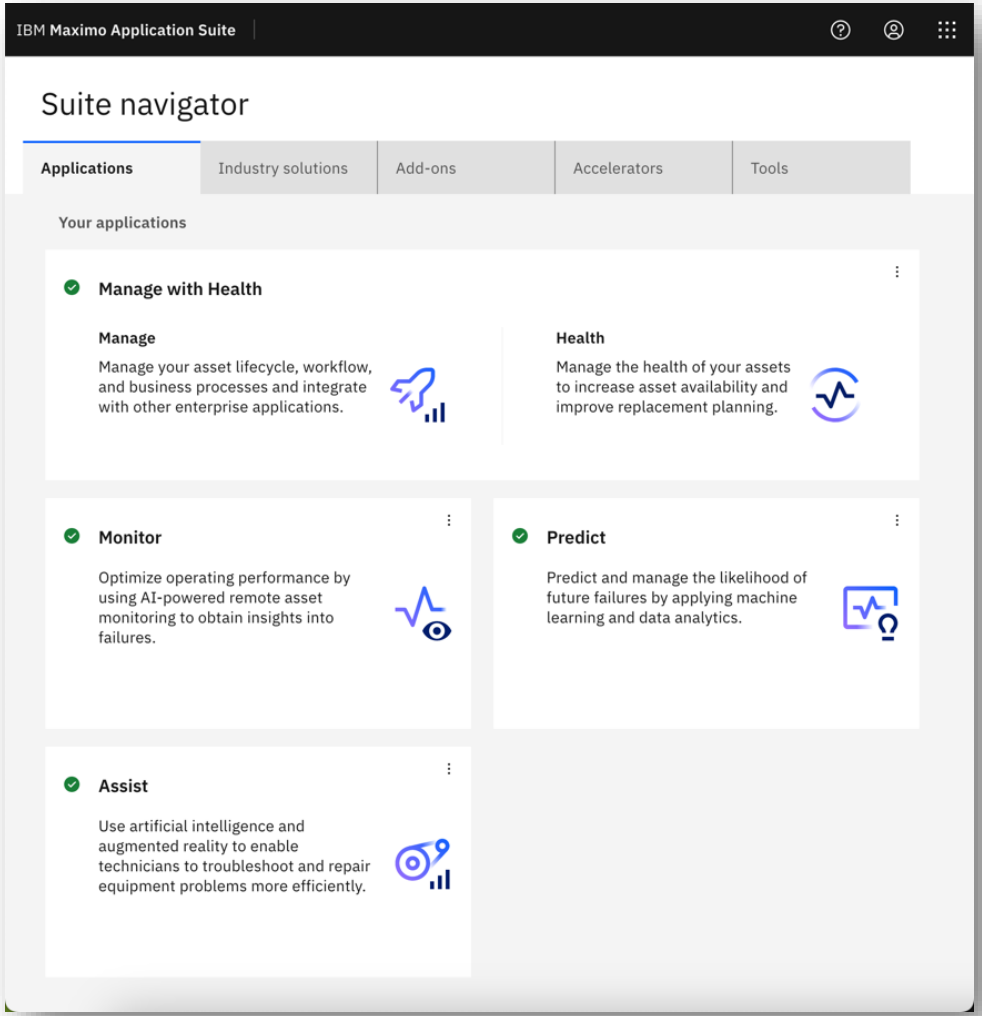


Logical Architecture

Current Release of Maximo Application Suite 8.11 application services are containerized, assigned to pods, and configured through Kubernetes operators to start and stop based on their configuration



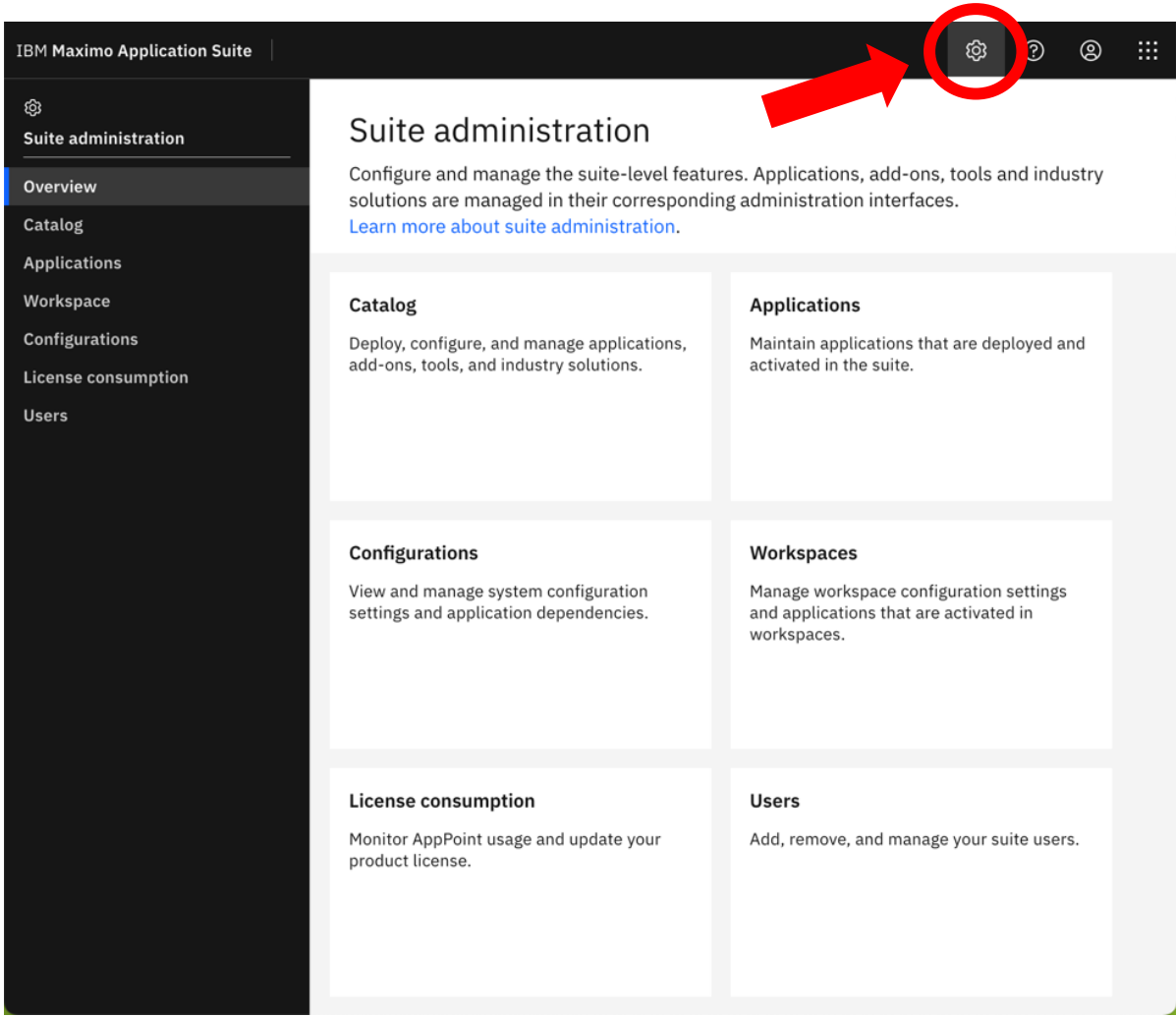
Maximo Application Suite Core User Interfaces and Administration



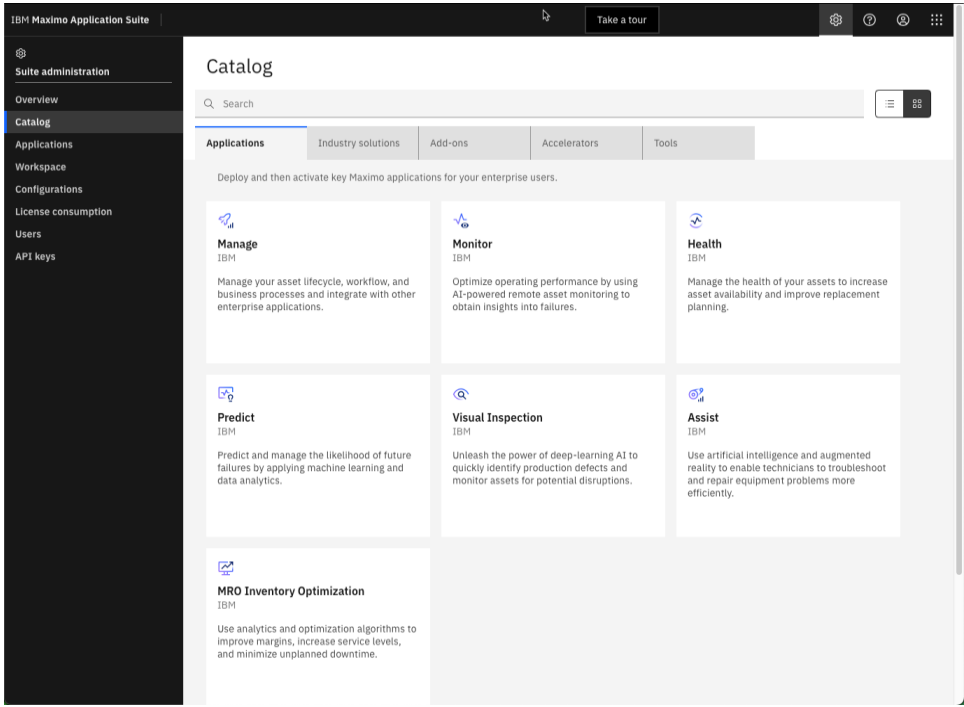
MAS Administration Functions & Features

All details are listed in IBM Documentation

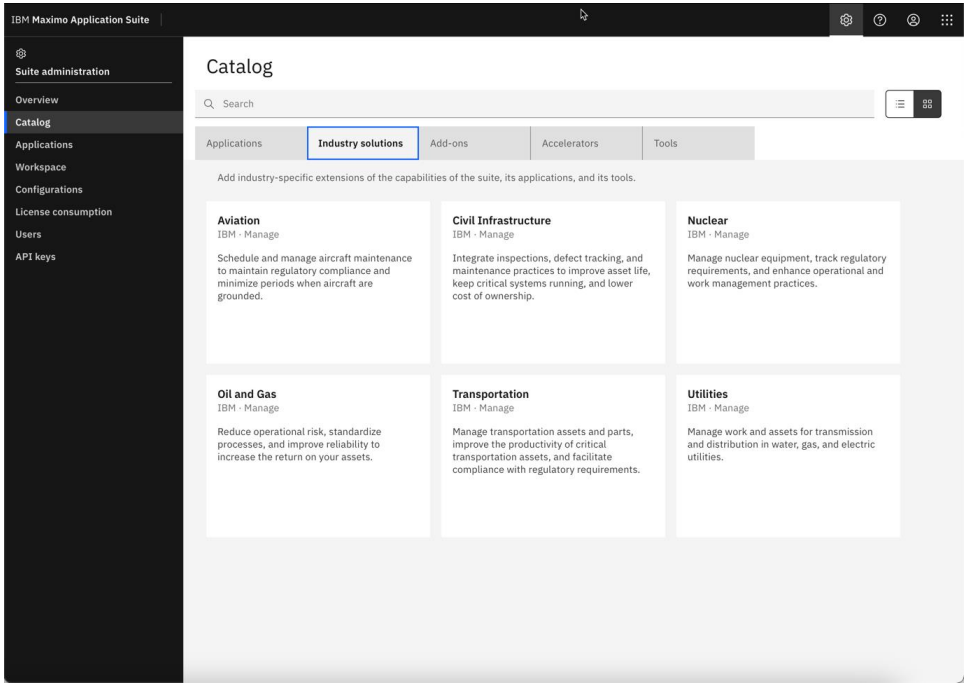
https://www.ibm.com/docs/en/mas-cd/continuous-delivery?topic=administering



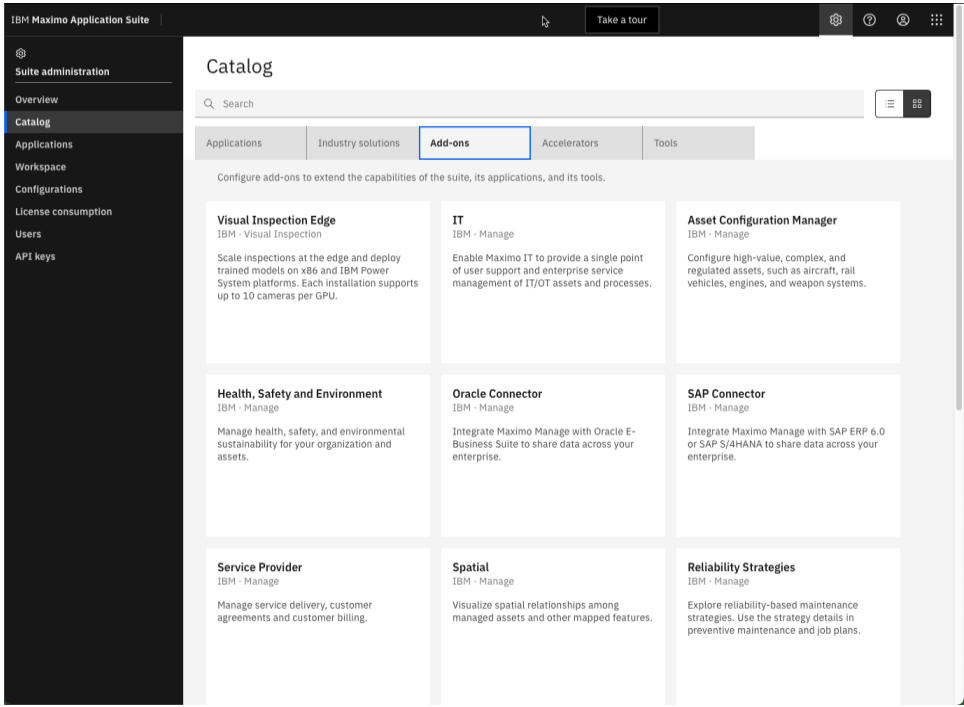
Catalog - Applications



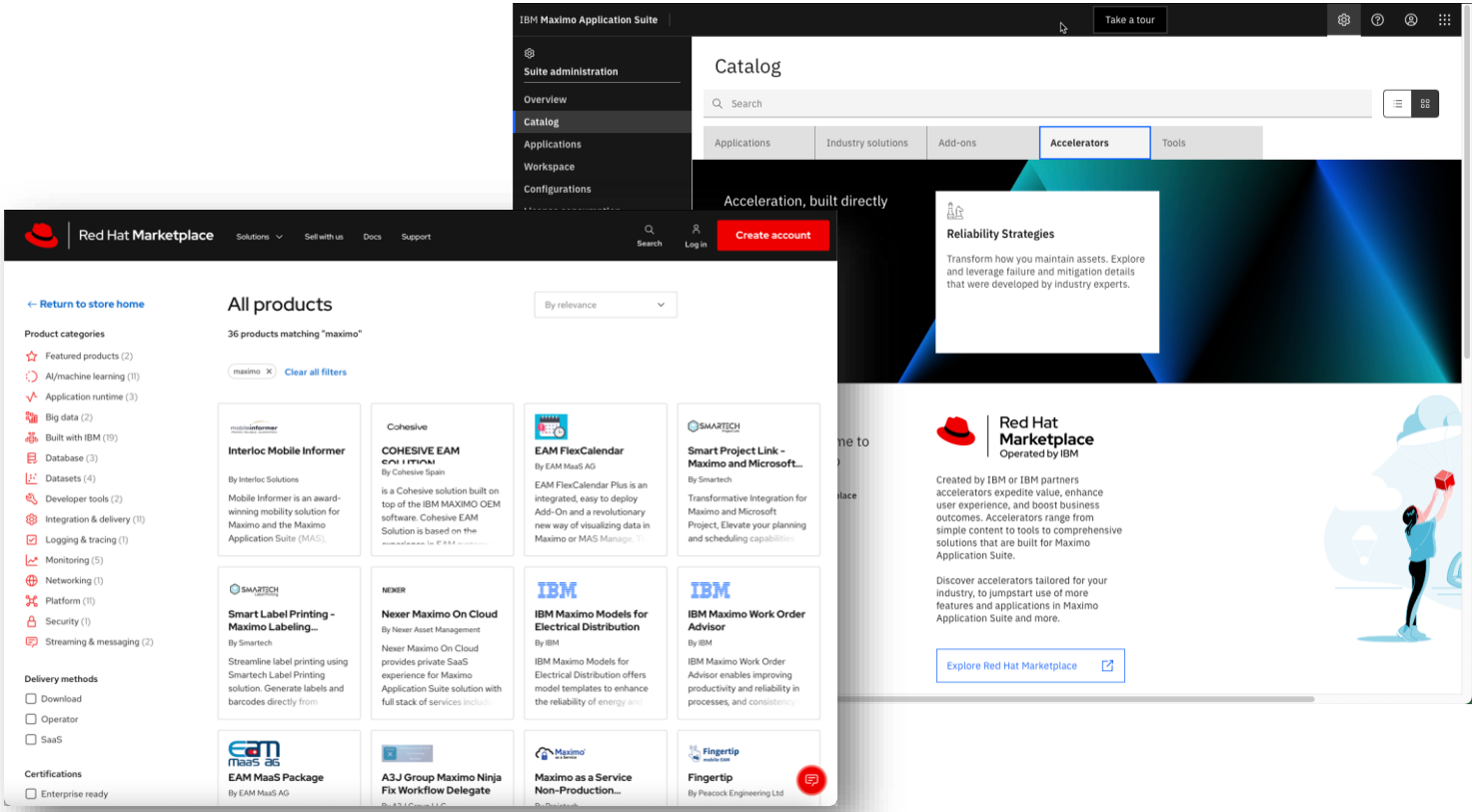
Catalog – Industry Solutions



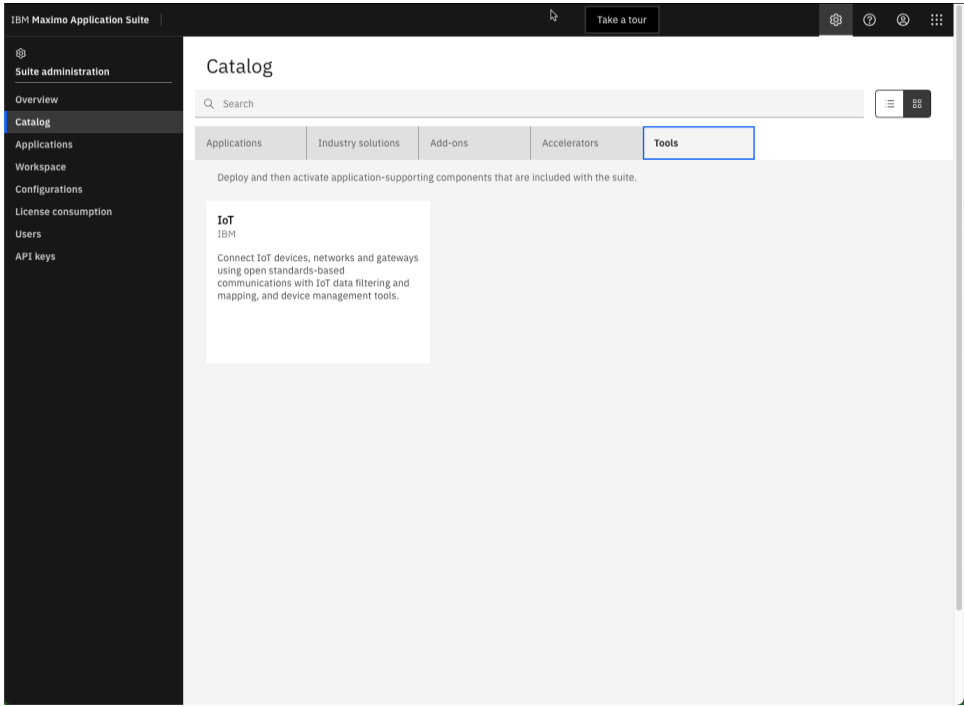
Catalog – Add-ons



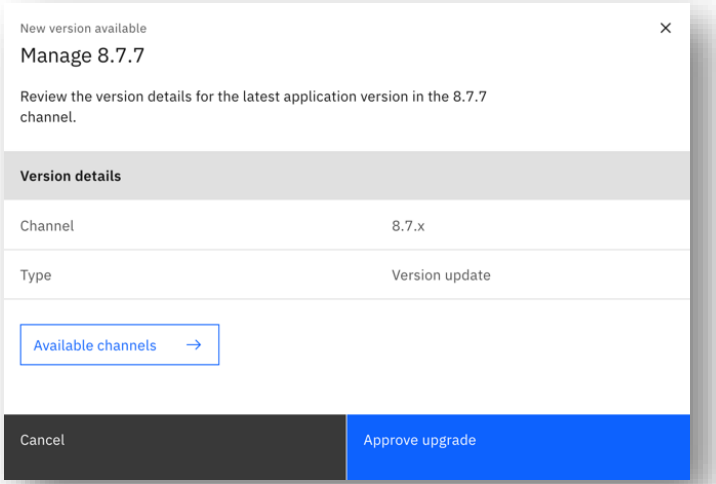
Catalog - Accelerators

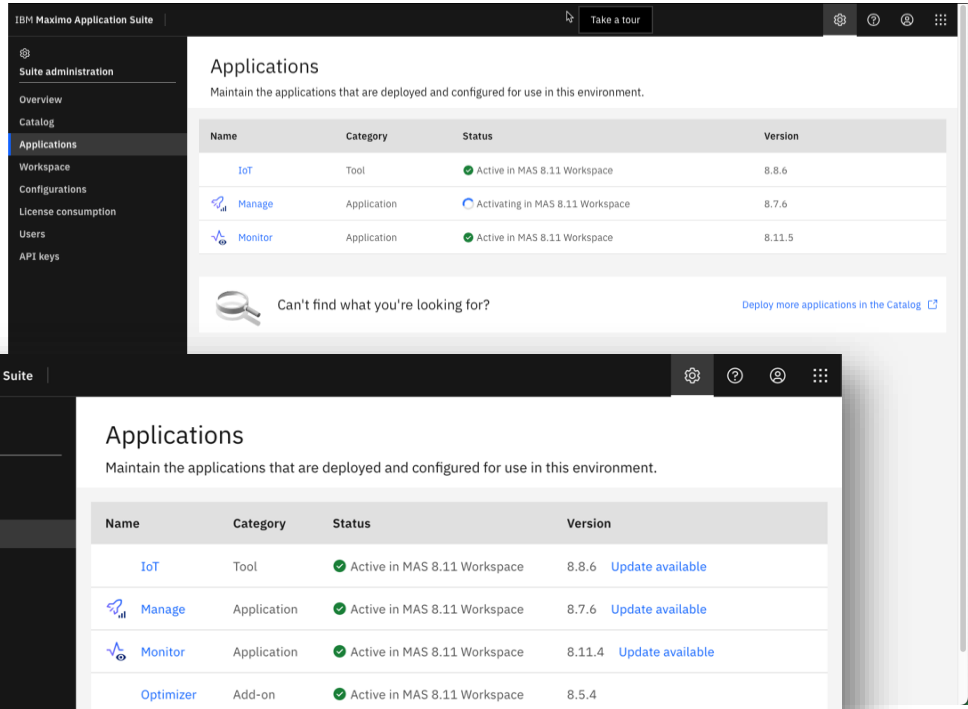


Catalog - Tools



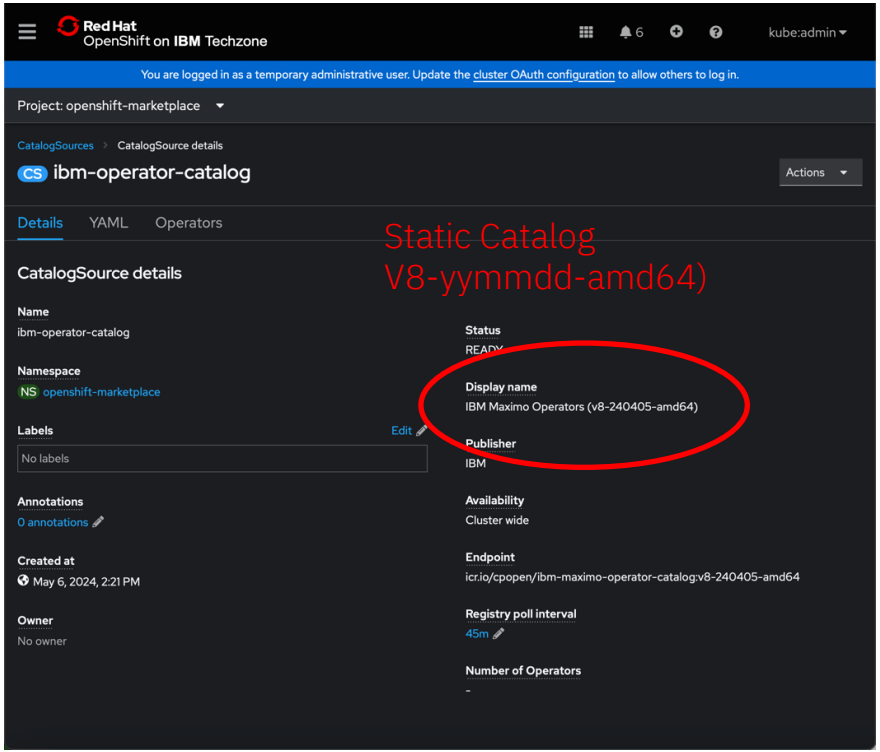
Applications – Deployment Status

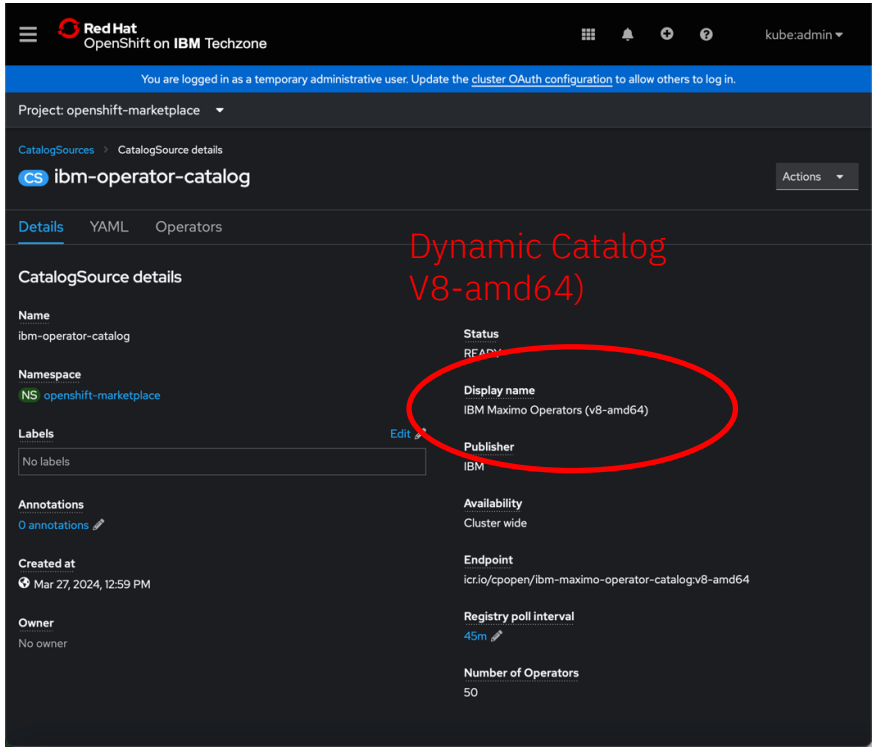




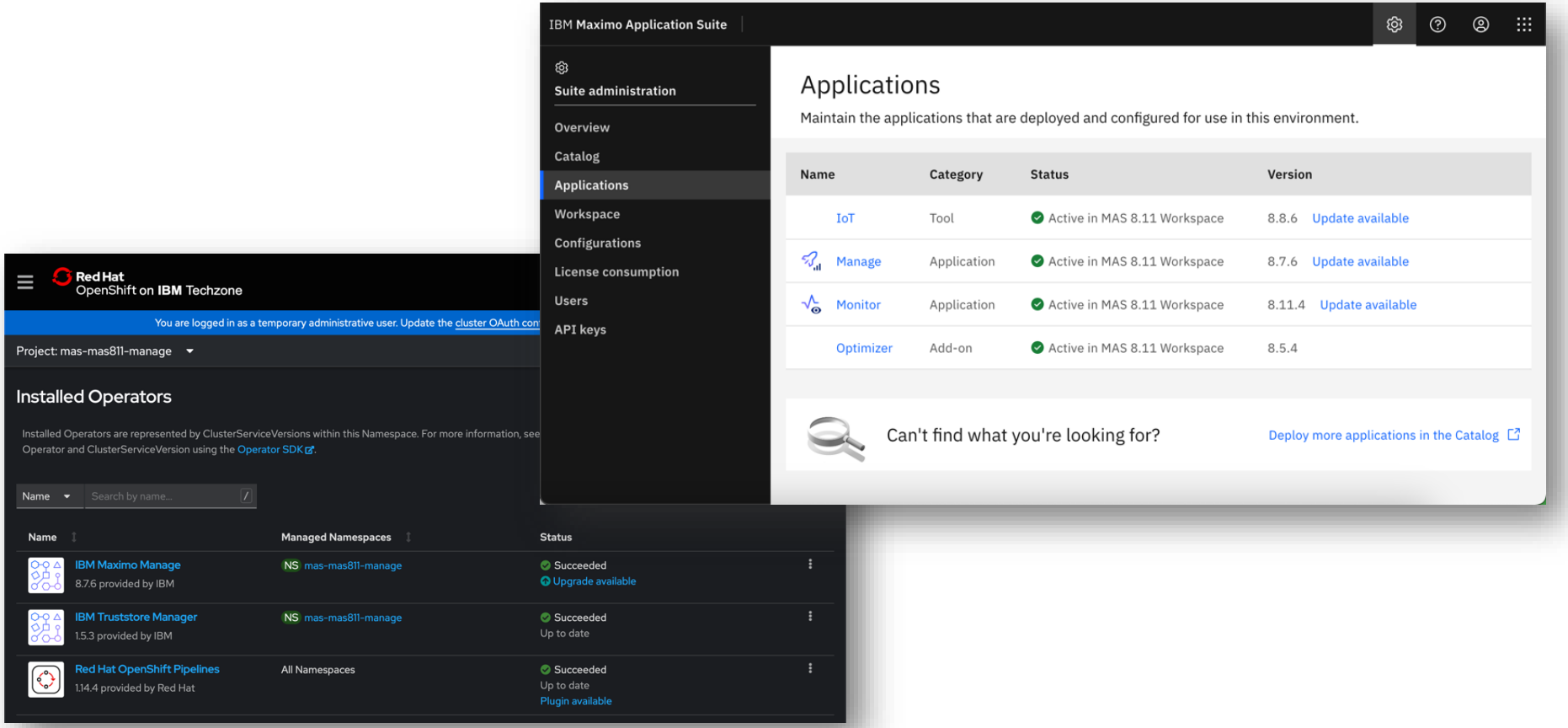
Static vs Dynamic Catalogs Source

https://ibm-mas.github.io/cli/catalogs/

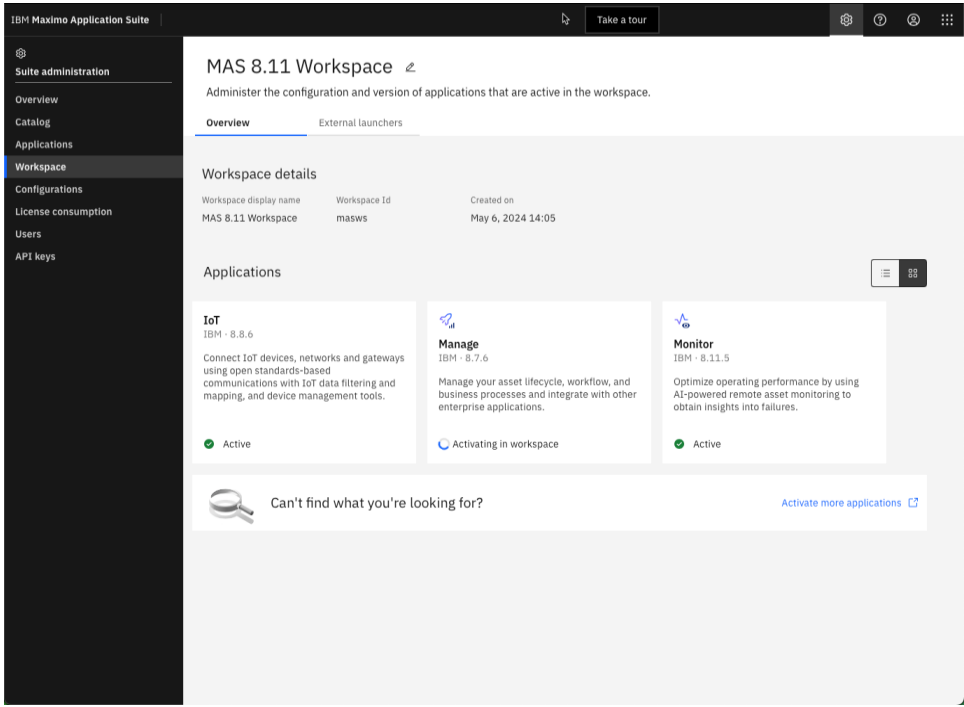




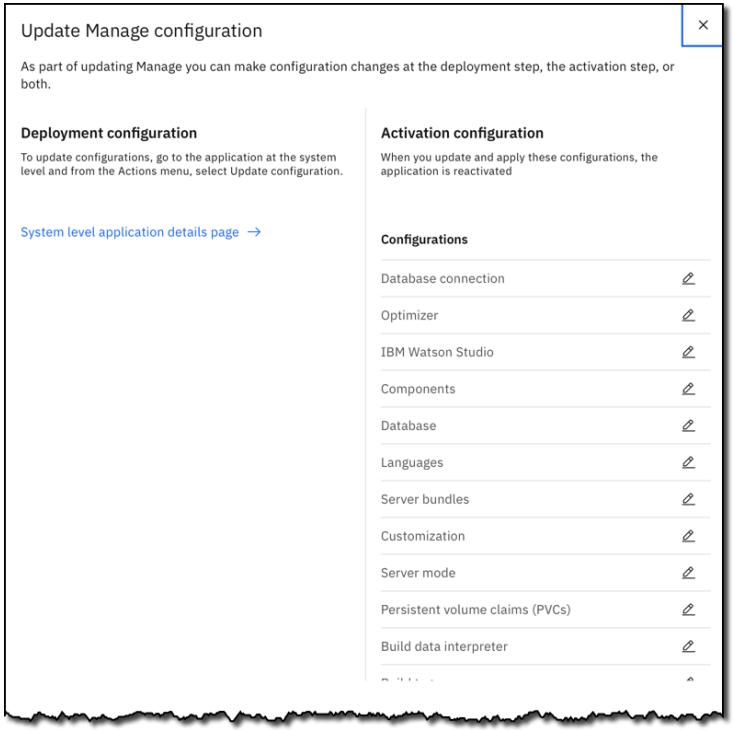
Two paths of upgrading MAS Applications via UI or OpenShift Console

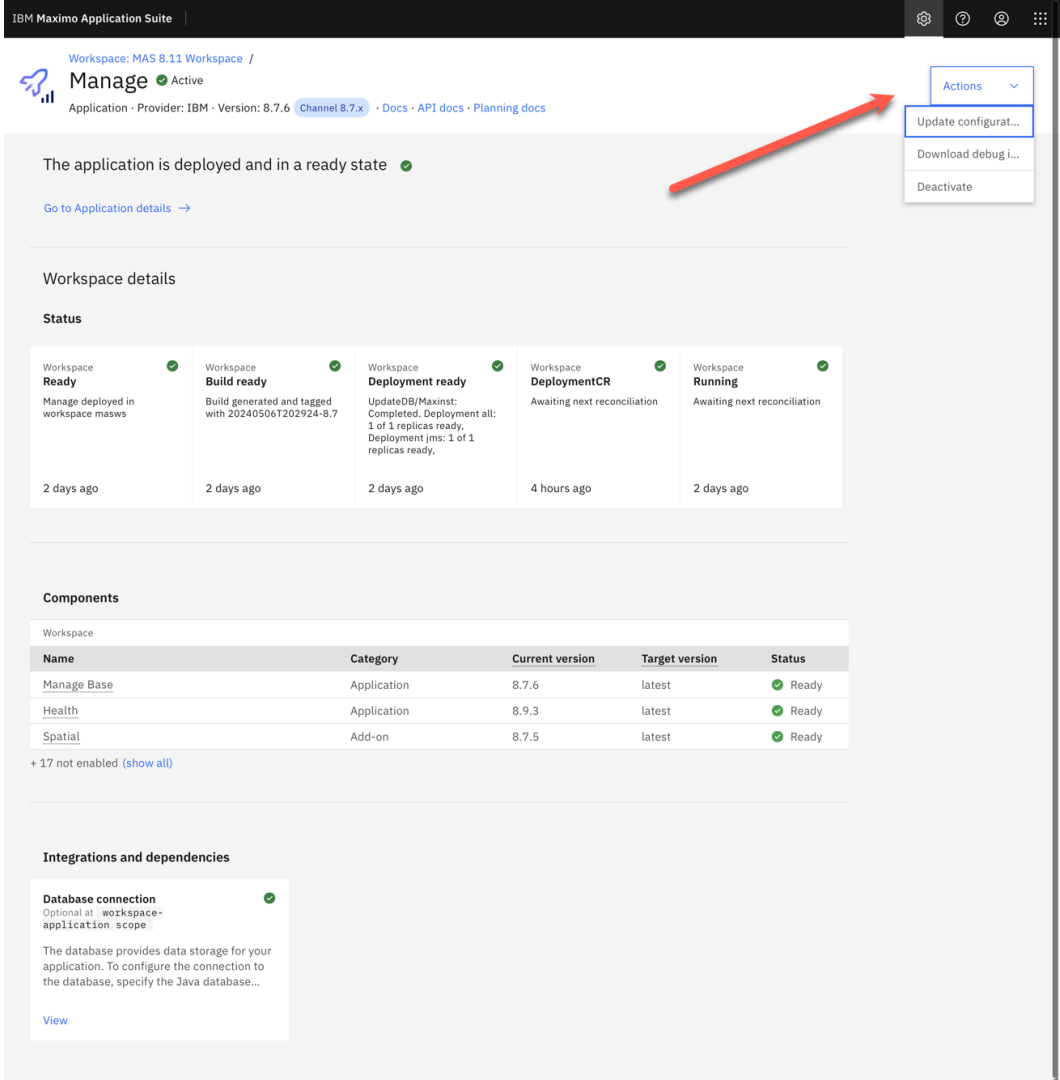


Workspace – Activation Status

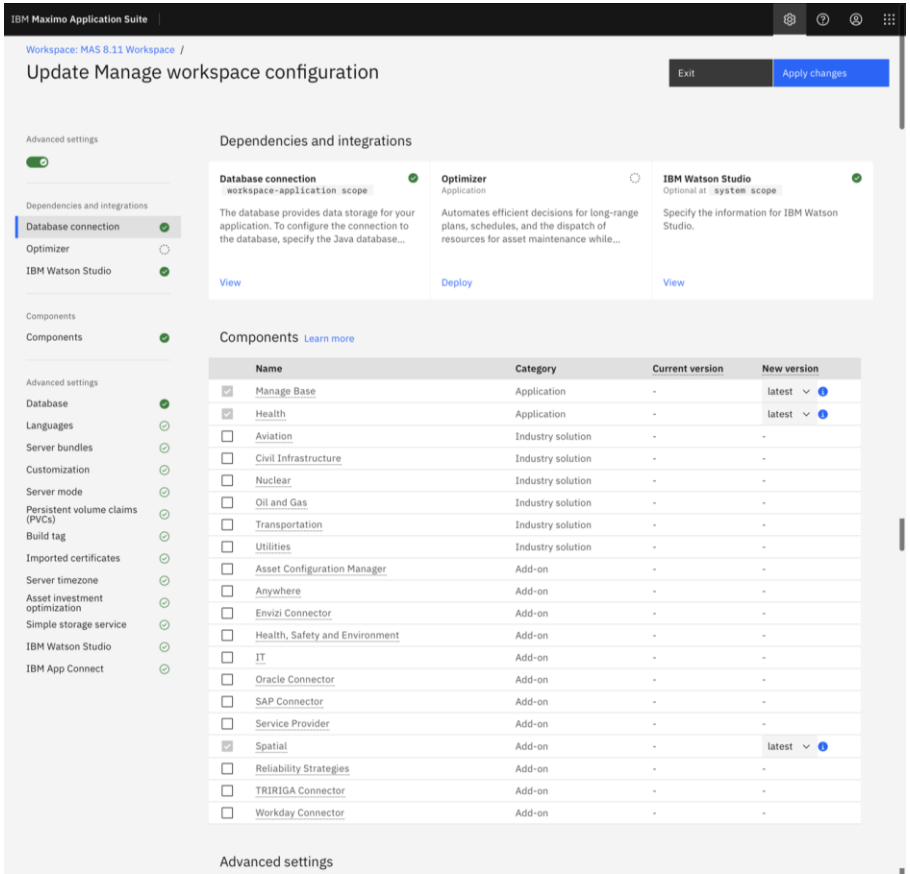


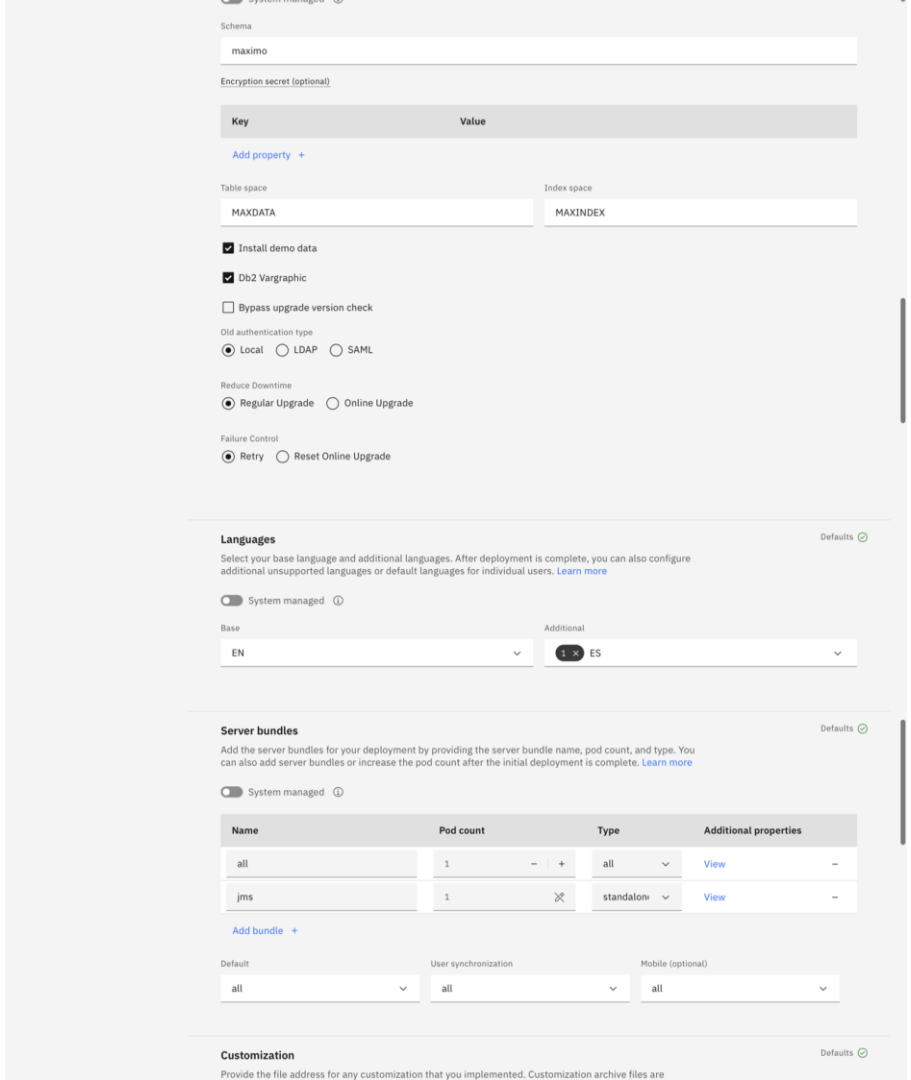
Workspace – Application Configuration - Manage



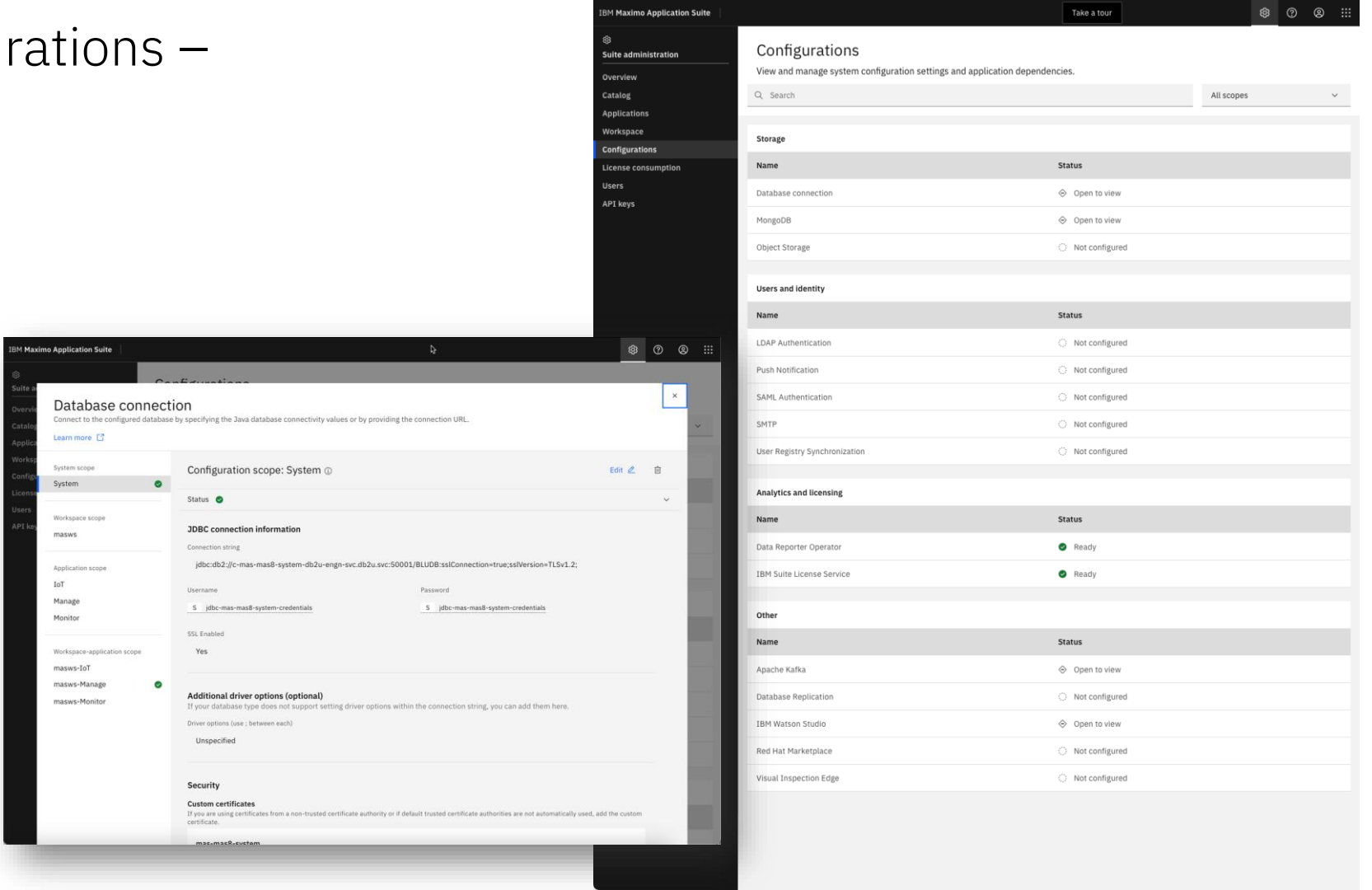


Part of the MAS Manage Configuration (Detail Demo!)





Configurations – Scopes



License consumption
1 of 2

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16	2024-04-16T00:00:00Z	AppPoints	1000	1000	132.03	160	130	130	2.03	30
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30	2024-04-30T00:00:00Z	AppPoints	1000	1000	133.75	160	130	130	3.75	30
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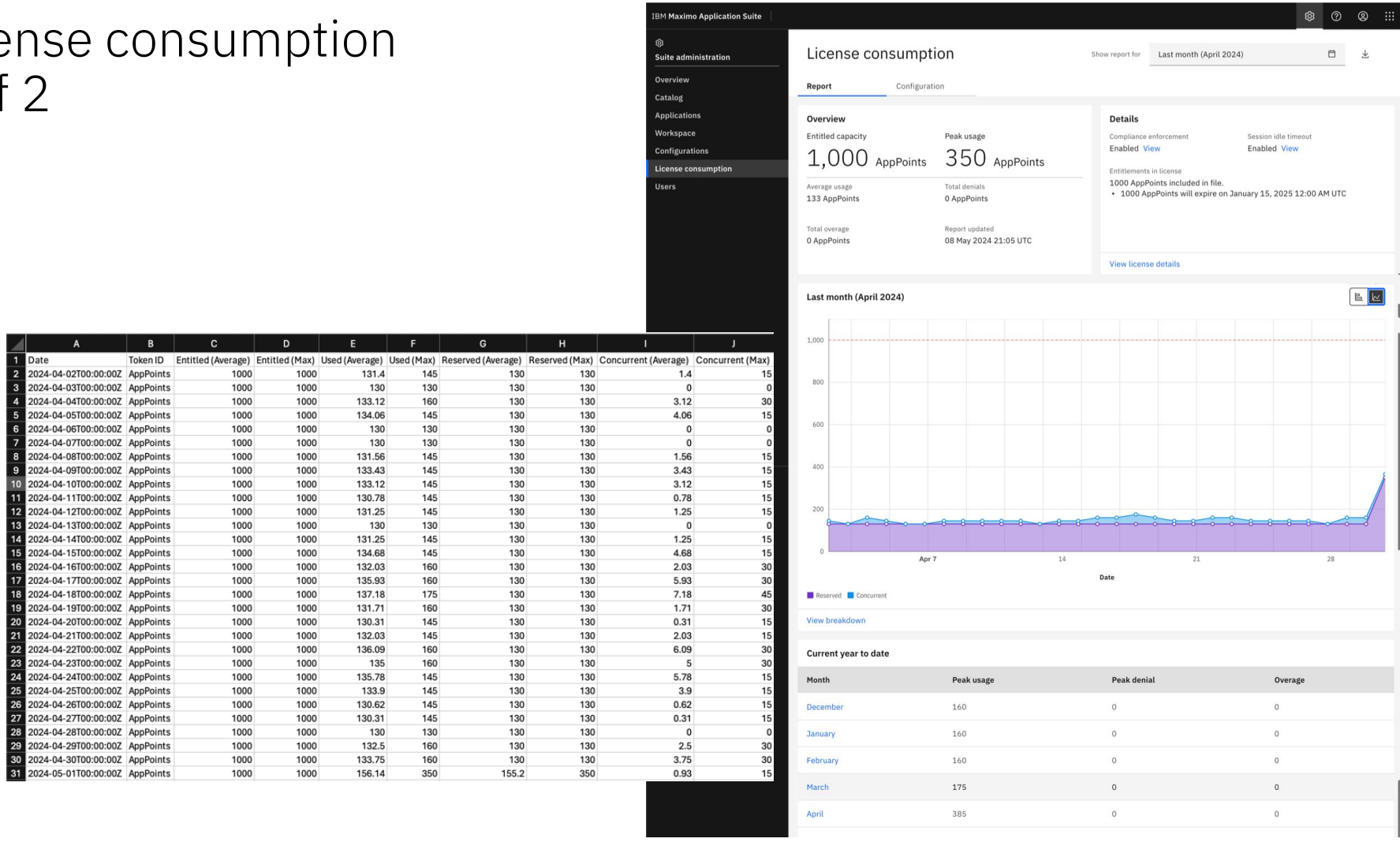
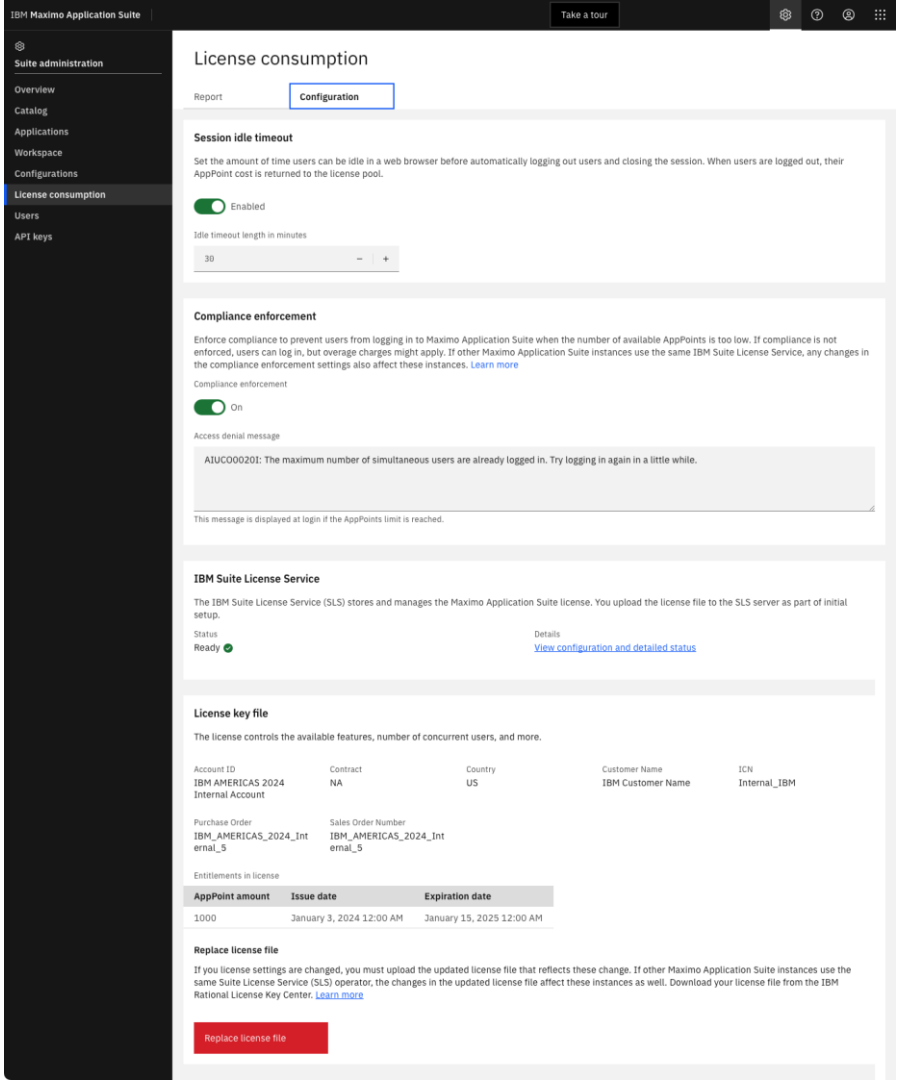
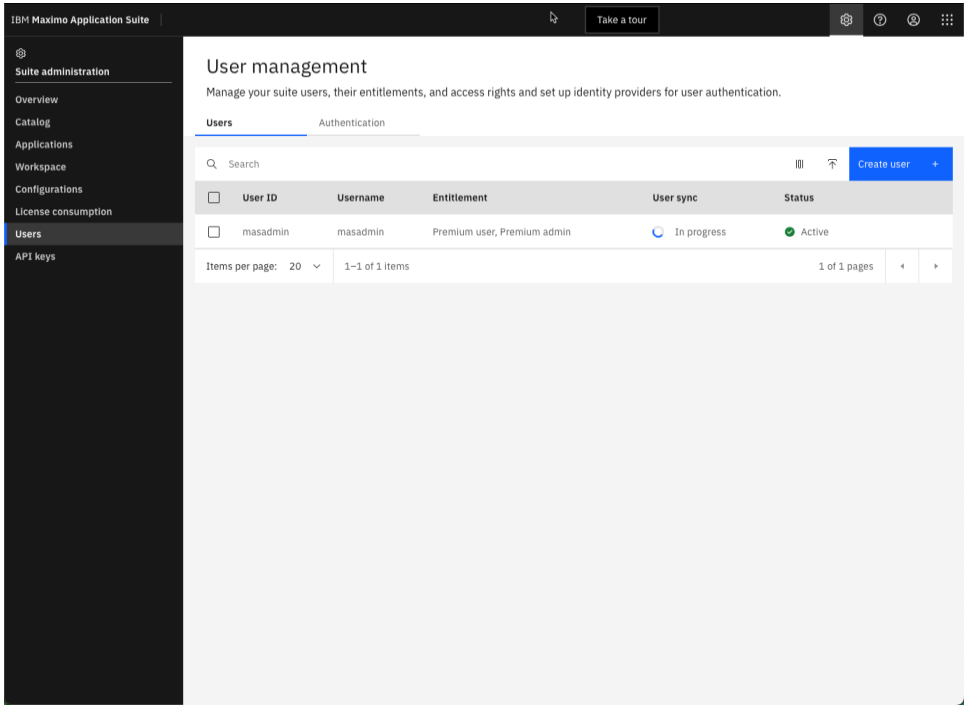


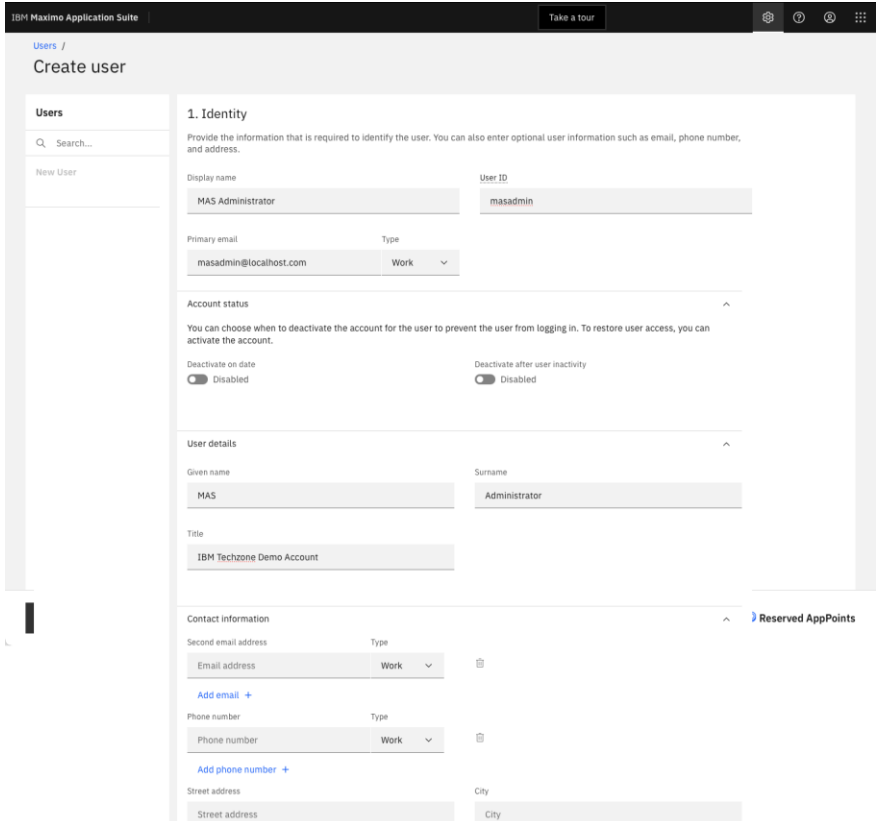
License consumption
2 of 2

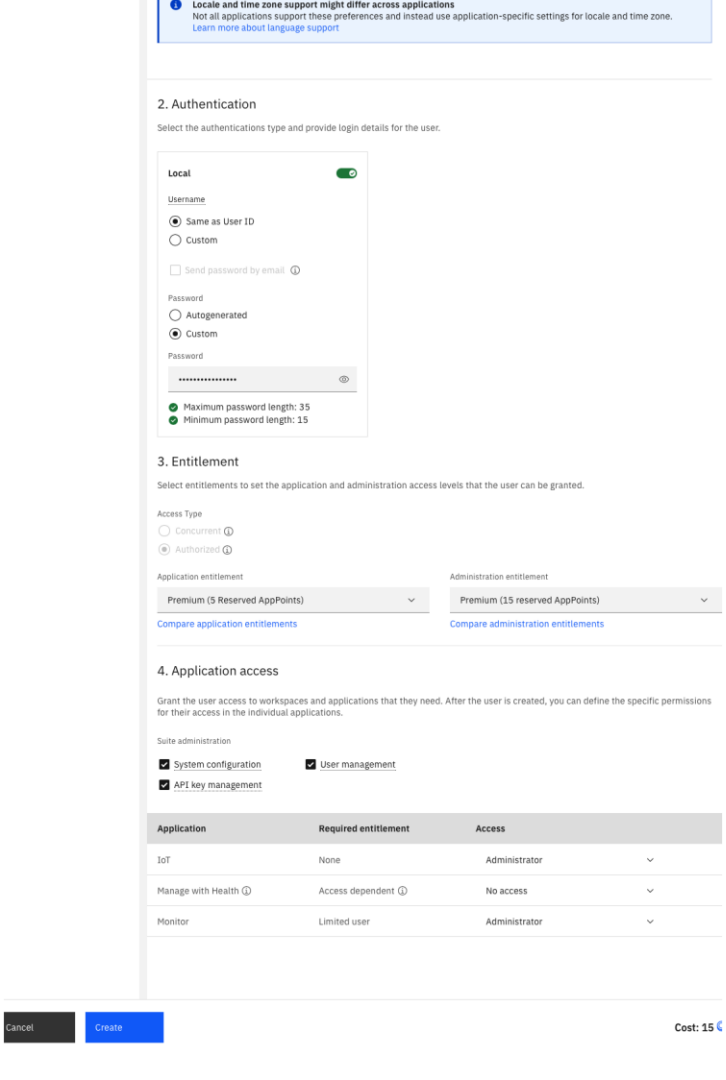


User management



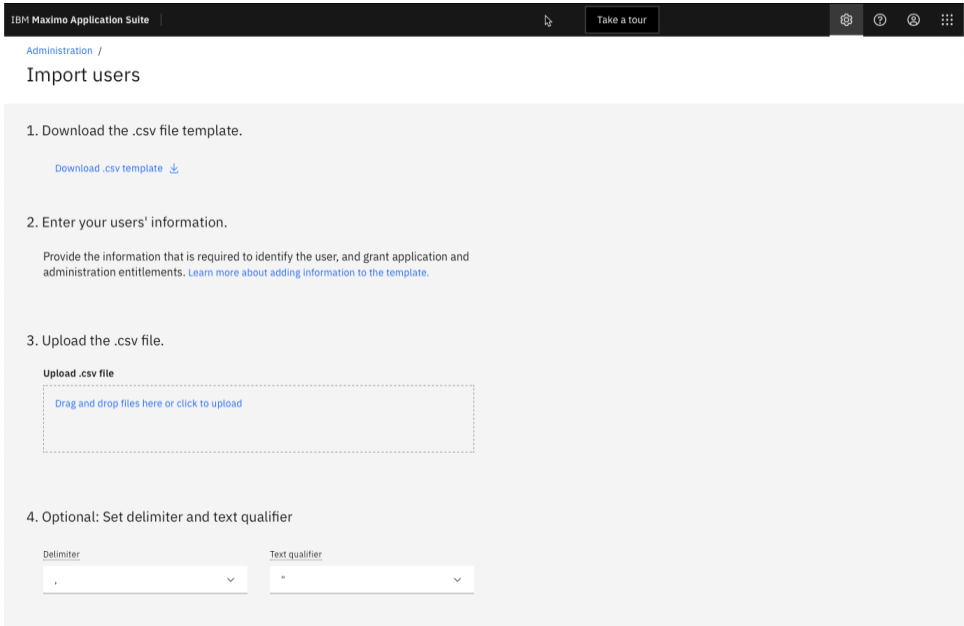
User management – Create user





User management – Import user

Full explanation of each of the column, refer to the following product documentation link: https://www.ibm.com/docs/en/mas-cd/continuous-delivery?topic=access-import-user-template



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2	sophie	sophie	TRUE	Marie-Sophi	Marie-Sophi	Germaini	Ms	TRUE	TRUE	NONE	TRUE	FALSE	FALSE	FALSE	SELF_SERVIC	NONE	TRUE	masdev	manage	MANAGEUSE	so
3	descartes	descartes	TRUE	Rene Descar	Ren Descart	Descartes	Mr	TRUE	TRUE	NONE	TRUE	FALSE	FALSE	FALSE	SELF_SERVIC	NONE	TRUE	masdev		USER	de
4	euller	euller	TRUE	Leonhard Eul	Leonhard Eul	Euller	Mr	TRUE	TRUE	NONE	TRUE	FALSE	FALSE	FALSE	PREMIUM	NONE	FALSE	masdev	manage	MANAGEUSE	eu
5	gauss	gauss	TRUE	Carl Friedric	Carl Friedric	Gauss	Mr	TRUE	TRUE	NONE	TRUE	FALSE	FALSE	FALSE	PREMIUM	NONE	FALSE	masdev	optimizer	USER	ga
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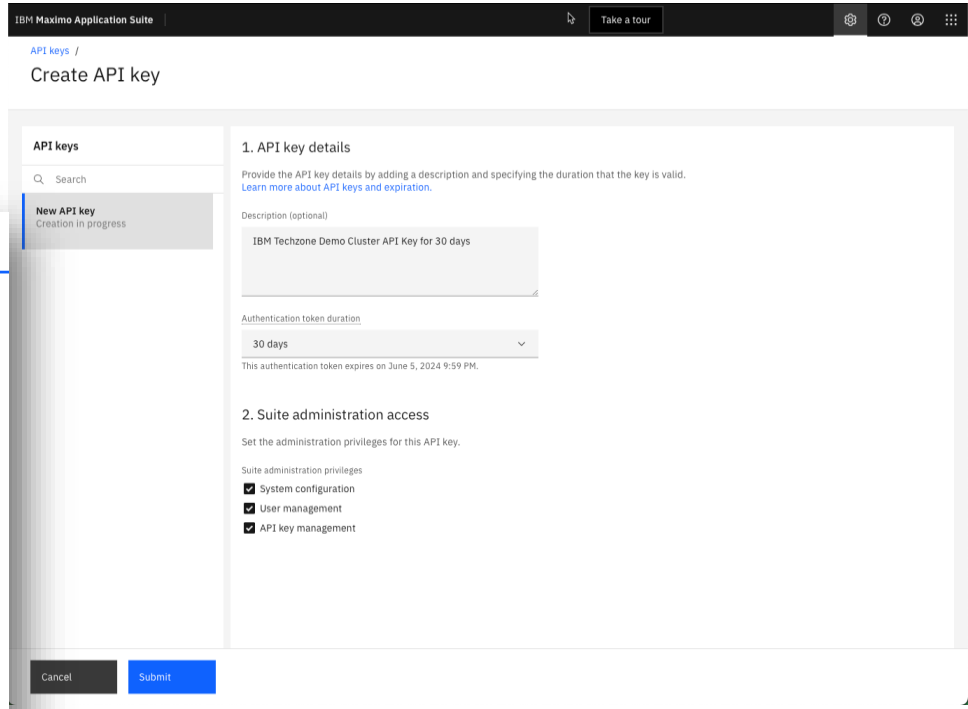
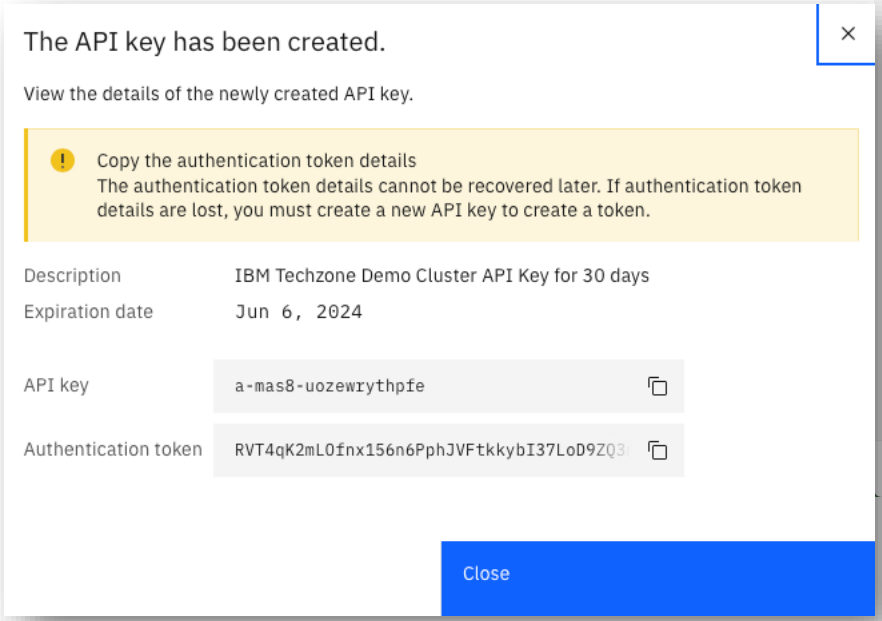
8	newton	newton	TRUE	Isaac Newto	Newton	Sir	Mr	TRUE	NONE	TRUE	TRUE	TRUE	TRUE	TRUE	LIMITED	ADMIN_PRE	TRUE	masdev			ne
9																					

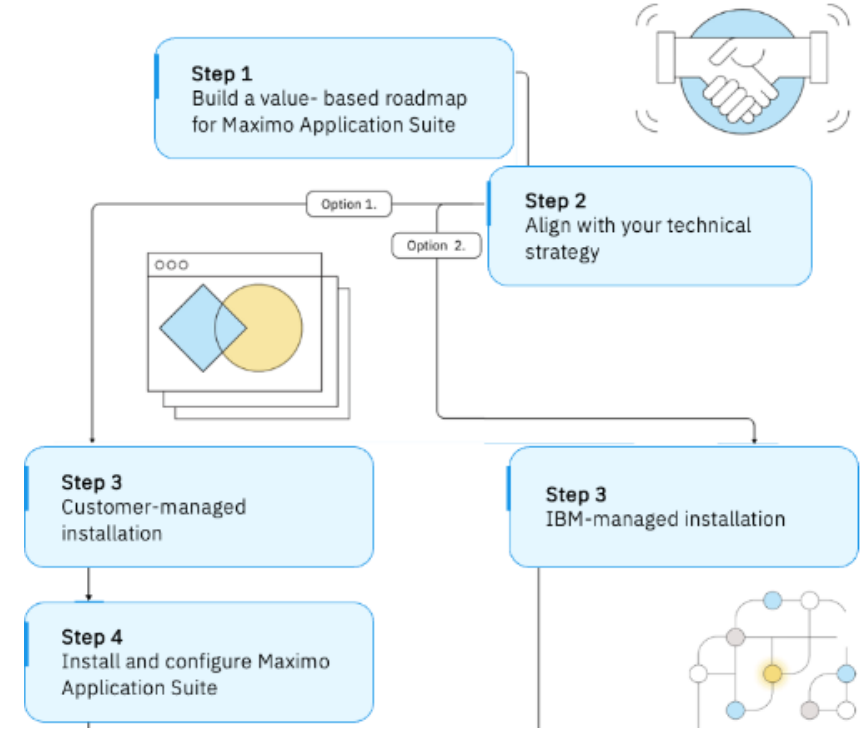
API Key –
Create API Key





Supporting your Move to MAS

Embark on your journey to IBM Maximo Application Suite with clear steps and expert guidance.



Scan
the QR Code for more details

Access
Additional resources

IBM TechXchange Community

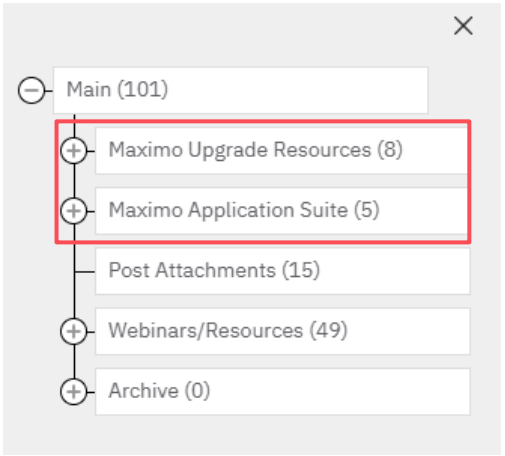
IBM Sustainability →

IBM Asset & Facilities Management

Your destination for peer and expert insights to help unlock the power of data with AI and Asset & Facilities Management to advance your digital reinvention.

Group Home | Discussion 7.8K | Library 688 | Blogs 252 | Events 4 | Members 8.7K

Join and participate in the Maximo Community HERE



Questions ???

IBM