# Intro

This workshop can be used to demonstrate the integration capabilities for Red Hat Integration portfolio with SAP's Digital Core.

# High-level architecture and components

The high-level architecture consists of 3 different RHEL 8.x servers:

- **bastion:** this is meant to be used as the jump host for SSH access to the environment and where to run SAP GUI from if required.
- **hana:** this is meant to be used as the RHEL server where to deploy SAP HANA.
- **s4hana:** this is meant to be used as the RHEL server where to deploy SAP S/4HANA.

And an OpenShift 4.x cluster with the following components deployed:

- **OpenShift Container Storage:** used for multi-purpose container storage backend.
- **Fuse Online:** used to demonstrate out of the box easy to implement integration capabilities with SAP S/4HANA and multi-purpose integrations.
- **3scale:** used to demonstrate API management capabilities for both SAP API Business Hub APIs and custom APIs deployed as microservices in OpenShift.
- **Backend Microservice:** used to demonstrate the integration with SAP S/4HANA using Red Hat Fuse.
- **Frontend Microservice:** used to present the data coming from SAP S/4HANA and SAP HANA to the user.
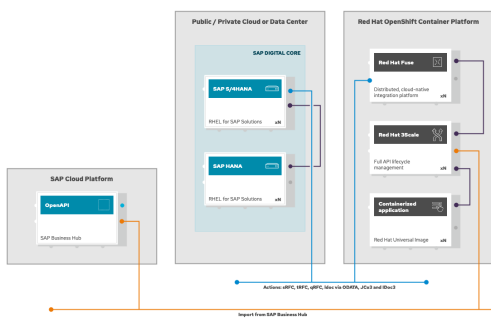


# Lab Access

This environment is provisioned using the Red Hat internal demo system. We at Red Hat embrace the use of IaC (Infrastructure as Code) for any lab/demo set up, that's why we have open-sourced the Framework (based in Ansible) we use for this. If you want to get more information on this topic, check the AgnosticD repository we use to deploy these labs and demos.

You can access your lab environment as %user% with password "{ssh_password}" with the following command:

```
%ssh_command%
```

Your lab GUID is "%guid%".

An example var was set to %example_var%.

The access details contain:

- OpenShift information including:
  - OpenShift web-console public URL
  - OpenShift web-console user
  - OpenShift web-console password
- 3scale information including:
  - 3scale namespace in OpenShift
  - 3scale API Management Portal user
  - 3scale API Management Portal password
- Fuse Online information including:
  - Fuse Online namespace in OpenShift
- Backend and Frontend information including:
  - Backend microservice Swagger public URL
  - Frontend microservice public URL

# Workshop Information

Informational messages generated for your workshop:

```
%user_info_messages%
```