

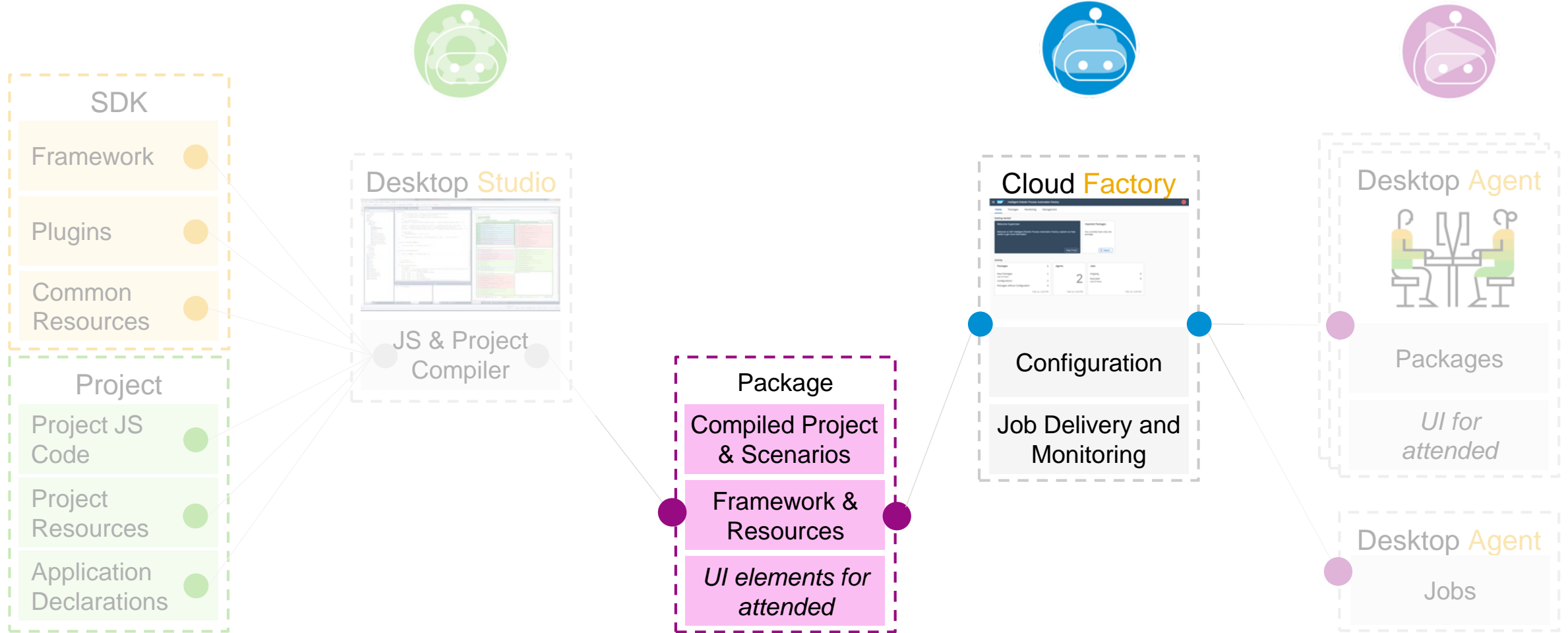


Week 2: Development Phase I

Unit 5: Orchestration and Configuration

Orchestration and Configuration

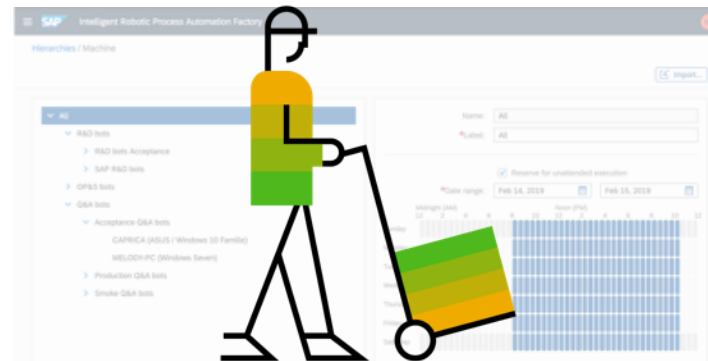
Where we are...



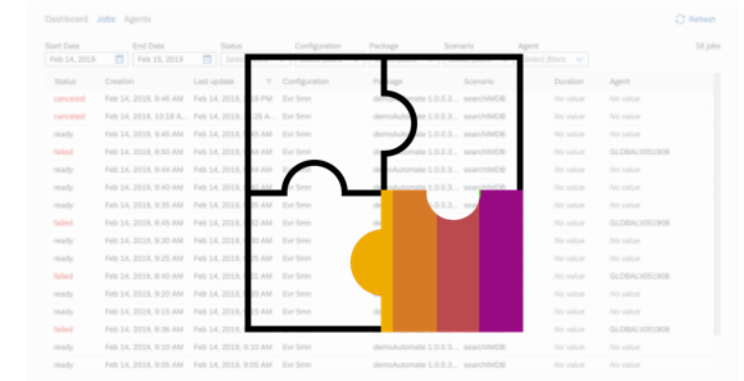
Orchestration and Configuration Overview



Resource Management
Declare Machines & Logins
Define Environments



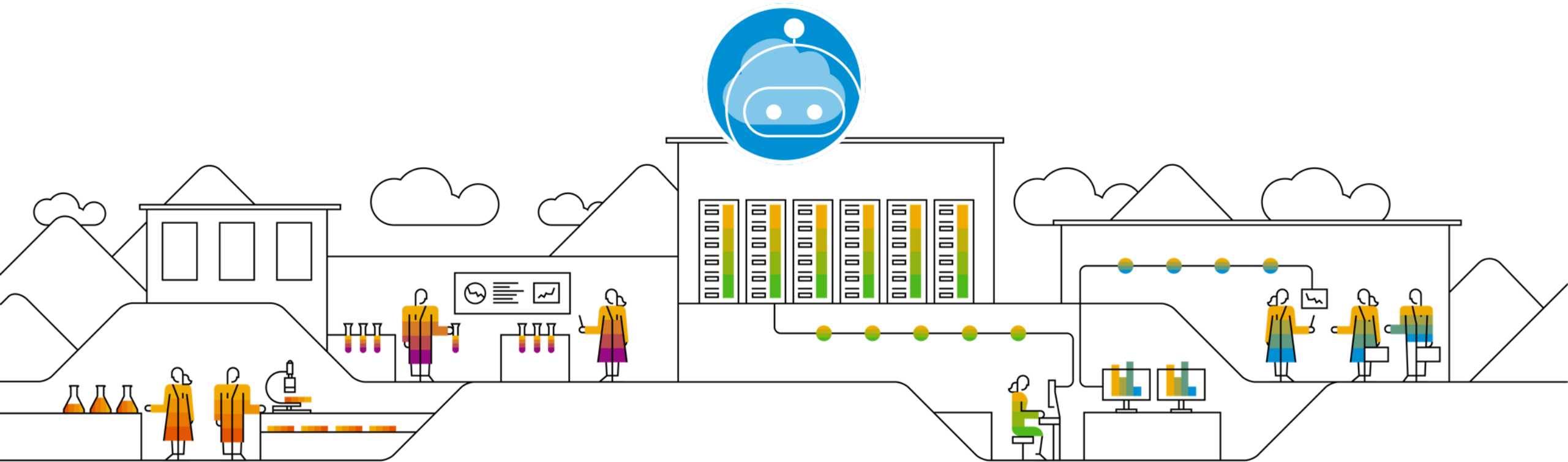
Deployment Management
Import Packaged Projects
Configure for Deployment

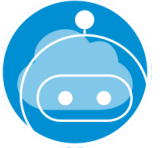


Dashboard & Monitoring
Monitor Jobs
Monitor Agents

Orchestration and Configuration

Resource management





Define the agents structure

- Create or import a hierarchy (csv file)
- Allocate time for unattended usage
- Customize per node or per agent
- Cut/Paste support

The screenshot displays the 'Hierarchies' management page in the SAP Cloud Factory interface. At the top, there are tabs for 'Environments' and 'Hierarchies', with 'Hierarchies' being the active tab. A '+ New hierarchy' button is located in the top right corner. Below the tabs, there are two input fields: 'Login' and 'Machine', each with a 'Login' button and a trash icon. The main header of the interface shows the SAP logo and the text 'Intelligent Robotic Process Automation Factory'. Below this, the breadcrumb 'Hierarchies / Machine' is visible. On the right side of the main content area, there is an 'Import...' button. The main content area is divided into two sections. The left section is a tree view showing a hierarchy of bots. The root is 'All', which is expanded to show 'R&D bots', 'OP&S bots', and 'Q&A bots'. Under 'R&D bots', there are 'R&D bots Acceptance' and 'SAP R&D bots'. Under 'Q&A bots', there are 'Acceptance Q&A bots' (which is further expanded to show 'CAPRICA (ASUS / Windows 10 Famille)' and 'MELODY-PC (Windows Seven)') and 'Production Q&A bots' and 'Smoke Q&A bots'. The right section contains a form for creating or editing a hierarchy. It has fields for 'Name' (set to 'All') and '*Label' (set to 'All'). There is a checkbox for 'Reserve for unattended execution' which is checked. Below this is a 'Date range' selector showing 'Feb 14, 2019' to 'Feb 15, 2019'. At the bottom right is a calendar grid showing the days of the week (Sunday to Saturday) and the time of day (Midnight (AM) to Noon (PM)). The grid is filled with blue bars, indicating that the bots are reserved for unattended execution during this period.



Define dozens of environments

- Bind to well-known type (Dev-Test-Prod)
- Define variables
- Bind with agents hierarchy through variable

Environments Hierarchies 1 environment + New environment

Test environment Test

Create environment

*Name: My Finance Env - TEST

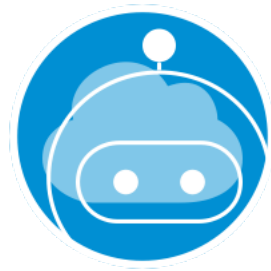
Description: e.g. An environment for testing scenarios

Type: Test

- Test
- Dev
- Prod

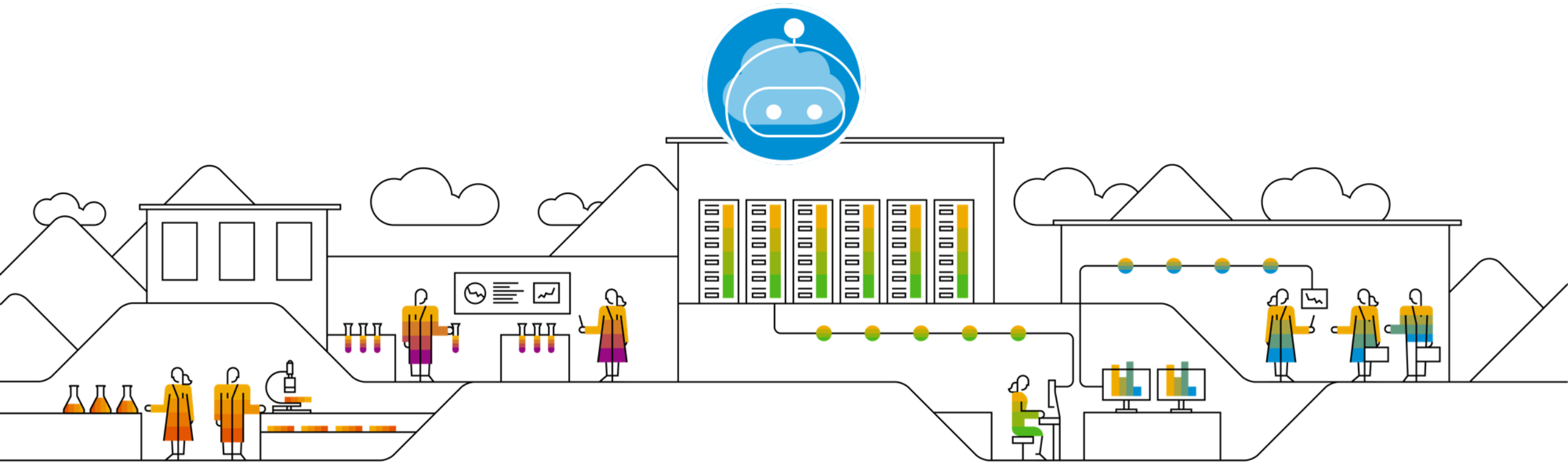
Orchestration and Configuration

Cloud Factory – Demo



Orchestration and Configuration

Deployment management



Orchestration and Configuration

Cloud Factory – Import projects



Import desktop project/package

- View of all packages
- Import projects packaged by Studio

The screenshot shows a web interface for Cloud Factory. At the top, there's a header with a search icon, the text 'Name', a list icon, '1 package', and an 'Import...' button. Below this, a list of packages is visible, showing 'demoAutomate 1.0.0.40 demoAutomate v1' and 'Created 3 hours ago'. A modal dialog titled 'Import package' is open in the foreground. It contains three input fields: '*Project:' with a 'Browse...' button and a magnifying glass icon, 'Package name:' with the placeholder text 'e.g. My first package', and 'Description:' with the placeholder text 'e.g. A project that orders cookies'. At the bottom of the dialog are 'Import' and 'Cancel' buttons.



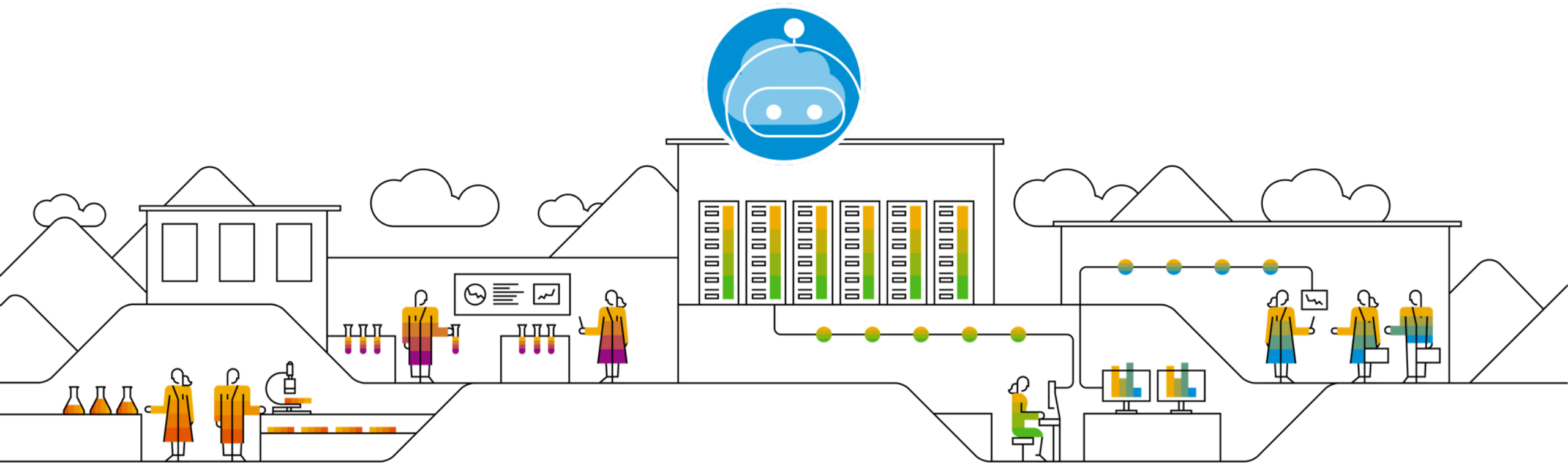
Enable project & scenario deployment

- Bind to an environment
- Make it available for **attended** or **unattended**
- Tailored schedule planner
- From minutes to months

The image shows two overlapping screenshots from the Cloud Factory interface. The background screenshot is the 'demoSAP4dkom - Deploy' form, which includes fields for Package (demoSAP4dkom), Version (1), Deployment name (Purchase Order Automation), Description (e.g. Uploads a new version of the project every night), and Environment (Alex Test Env). The foreground screenshot is the 'Add Trigger' dialog, which contains fields for Trigger name (e.g. A schedule trigger), Description (e.g. A schedule trigger), Scenario (Select a scenario), Date range (Sep 11, 2019 to Sep 18, 2019), Timezone (UTC), and Recurrence (5 Minutes). Below these fields is a calendar grid showing days of the week and hours from 12 AM to 12 PM.

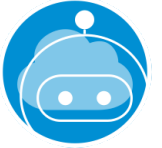
Orchestration and Configuration

Dashboard & **monitoring**



Orchestration and Configuration

Cloud Factory – Monitoring jobs and agents



Status	Creation	Last update	Configuration	Package	Scenario	Duration	Agent
successful	Feb 14, 2019, 2:31 PM	Feb 14, 2019, 2:32 PM	Unattended (MDB)	Demo Automate 1.93	searchMDB	No value	
successful	Feb 14, 2019, 9:48 AM	Feb 14, 2019, 2:18 PM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 10:18 AM	Feb 14, 2019, 11:26 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:45 AM	Feb 14, 2019, 9:45 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:50 AM	Feb 14, 2019, 9:44 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:40 AM	Feb 14, 2019, 9:40 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:35 AM	Feb 14, 2019, 9:35 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:45 AM	Feb 14, 2019, 9:32 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:30 AM	Feb 14, 2019, 9:25 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:20 AM	Feb 14, 2019, 9:20 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	
successful	Feb 14, 2019, 9:15 AM	Feb 14, 2019, 9:15 AM	Ev 5min	demoAutomate 1.0.0.3...	searchMDB	No value	

List Jobs

- For **unattended** & **attended**
- Detailed job page
- Select & Cancel All

Status	Login	Machine	Package	Configuration	Last Update
Idle	i	MO-59C44B140	demoSAP&dom	conf	May 7, 12:34 PM

List Agents

- Get a view of known agents
- Kick out if needed

Orchestration and Configuration

Cloud Factory – Monitoring jobs



List of all jobs

- Sort by
 - Status, Creation Date, Last Update
 - Configuration, Package, Scenario
 - Duration and Agent
- Filter by
 - Start and End Date, Status
 - Configuration, Package, Scenario
 - Agent
- Search

Dashboard Jobs Agents Refresh 256 jobs

Status	Creation	Last update	Configuration	Package	Scenario	Duration	Agent
successful	Feb 14, 2019, 2:21 PM	Feb 14, 2019, 2:22 PM	Unattended (IMDB)	Demo Automate 1.93	searchIMDB	No value	...
successful	Feb 14, 2019, 2:20 PM	Feb 14, 2019, 2:20 PM	Unattended (IMDB)	Demo Automate 1.93	searchIMDB	No value	...
successful	Feb 14, 2019, 2:15 PM	Feb 14, 2019, 2:15 PM	Unattended (IMDB)	Demo Automate 1.93	searchIMDB	No value	...
successful	Feb 14, 2019, 2:10 PM	Feb 14, 2019, 2:10 PM	Unattended (IMDB)	Demo Automate 1.93	searchIMDB	No value	...

Dashboard Jobs Agents Refresh 18 jobs

Status	Creation	Last update	Configuration	Package	Scenario	Duration	Agent
canceled	Feb 14, 2019, 9:46 AM	Feb 14, 2019, 2:18 PM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
canceled	Feb 14, 2019, 10:18 A...	Feb 14, 2019, 11:26 A...	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
ready	Feb 14, 2019, 9:45 AM	Feb 14, 2019, 9:45 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
failed	Feb 14, 2019, 8:50 AM	Feb 14, 2019, 9:44 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
ready	Feb 14, 2019, 9:44 AM	Feb 14, 2019, 9:44 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
ready	Feb 14, 2019, 9:40 AM	Feb 14, 2019, 9:40 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
ready	Feb 14, 2019, 9:35 AM	Feb 14, 2019, 9:35 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
failed	Feb 14, 2019, 8:45 AM	Feb 14, 2019, 9:32 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
ready	Feb 14, 2019, 9:30 AM	Feb 14, 2019, 9:30 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...
ready	Feb 14, 2019, 9:25 AM	Feb 14, 2019, 9:25 AM	Evr 5mn	demoAutomate 1.0.0.3...	searchIMDB	No value	...

ready

Feb 14, 2019, 9:25 AM

Feb 14, 2019, 9:25 AM

Eye 5mm

demoAutomate 1.0.0.3...

searchMIDB

no value

Date Range	Status	Configuration	Package	Scenario	Machine
May 7, 2019		Search...	Search...	Search...	Search...

Status	Last Update	Configuration	Package	Scenario	Machine	Duration
Ready	May 7, 12:35 PM	TestConfig-AUTO	Demo_1.0.1	newWorkflow	No Value	No Value

Orchestration and Configuration

Cloud Factory – Monitoring agents



Get a view of **known agents**

- Login
- Machine
- Status
- Package
- Configuration
- Last Update

Dashboard Jobs Agents 1 agent Clear filters Refresh

Status	Login	Machine	Package	Configuration	Last Update
Idle	I	MO-59C44B140	demoSAP4dkom	conf	May 7, 12:34 PM

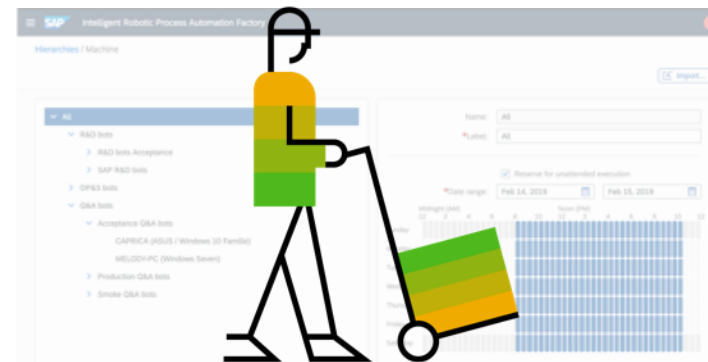
Dashboard Jobs Agents 1 agent Clear filters Refresh

Status	Login	Machine	Package	Configuration	Last Update
	Search...	Search...	Search...	Search...	

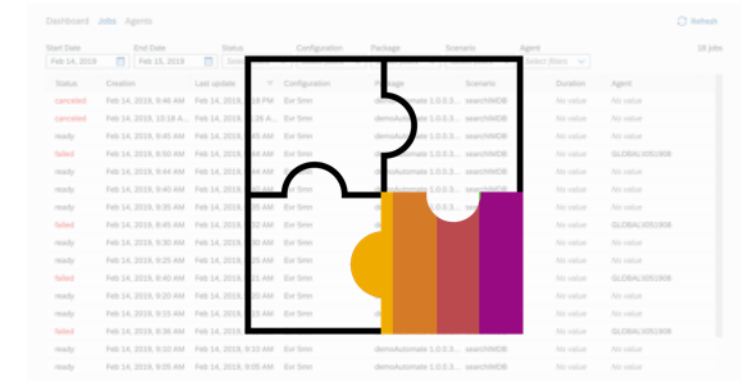
Orchestration and Configuration Summary



Resource Management
Declare Machines & Logins
Define Environments



Deployment Management
Import Packaged Projects
Configure for Deployment



Dashboard & Monitoring
Monitor Jobs
Monitor Agents

Thank you.

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