



Service provisioning workflow

Deployment in PIONIER

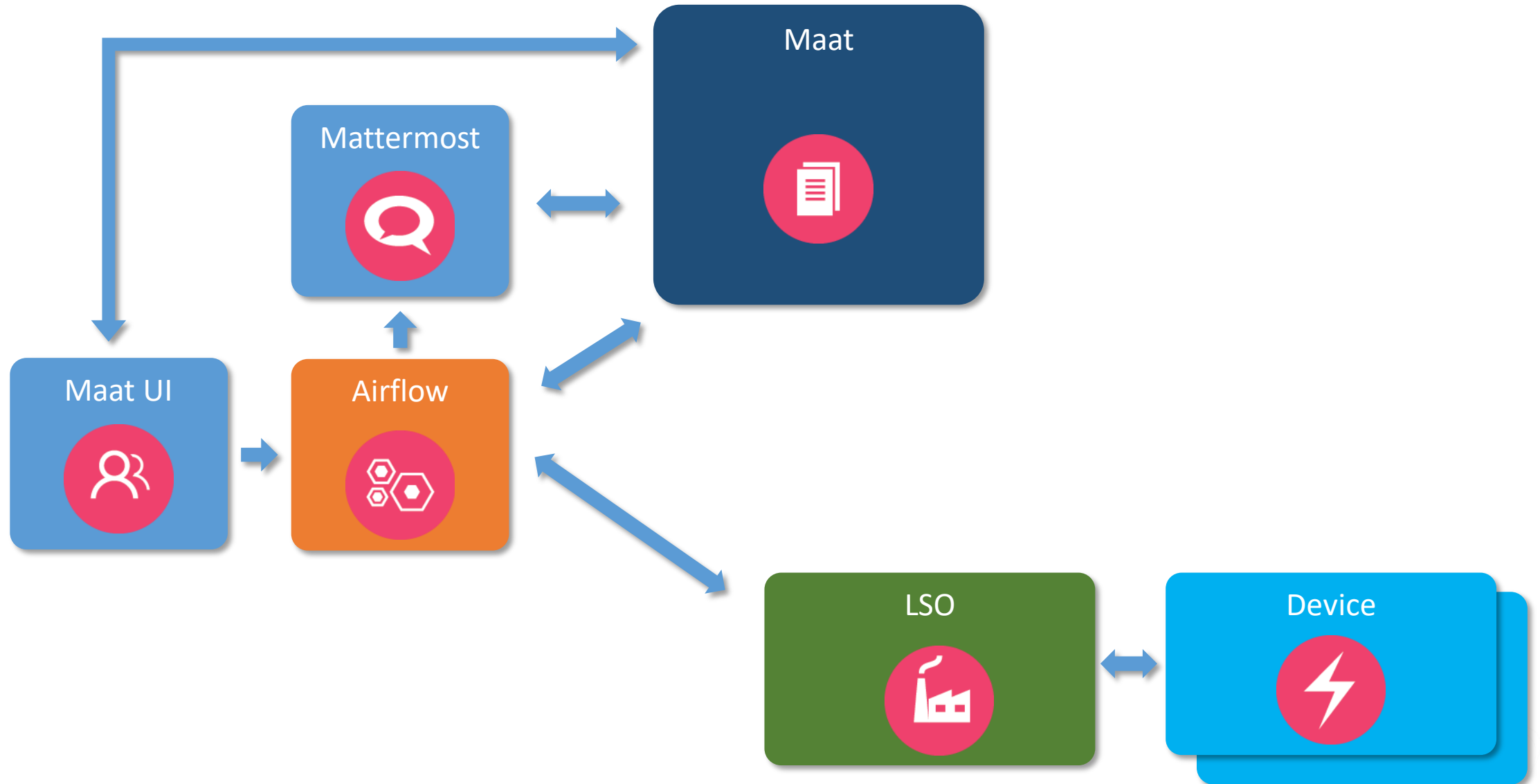
Tomasz Szewczyk, PCSS

WP6-T2 GN5-2

Infoshare

April 2025

System overview



Online demo



Thank You

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Backup slides

L2 circuit submit form

L2 circuit name

L2 circuit description

Customers

Device dX

Device dY

Interface iX

Interface iY

Vlan ID (iX)

Vlan ID (iY)

no-control-word

ignore-encapsulation-mismatch

ignore-mtu-mismatch

pseudowire-status-tlv

Community

mtu

Backup slides

The screenshot shows the Apache Airflow web interface. At the top, there is a navigation bar with the Airflow logo and menu items: DAGs, Cluster Activity, Datasets, Security, Browse, Admin, and Docs. The current time is 05:35 UTC. Below the navigation bar, the page title is "DAGs". There are filters for "All 4", "Active 4", and "Paused 0". A search bar contains "gp4l" and a search button. An "Auto-refresh" toggle is also present. The main content is a table of DAGs with columns for DAG name, Owner, Runs, Schedule, Last Run, Next Run, Recent Tasks, Actions, and Links.

DAG	Owner	Runs	Schedule	Last Run	Next Run	Recent Tasks	Actions	Links
<input checked="" type="checkbox"/> PIONIER-L2circuit-interface_dag gp4l	airflow	103 (green), 83 (red)	None	2025-04-09, 15:16:18		6 (green), 9 (red)	▶ 🗑️	⋮
<input checked="" type="checkbox"/> PIONIER-L2circuit-order_to_payment_dag gp4l	airflow	49 (green), 1 (green), 56 (red)	None	2025-04-10, 05:34:38		5 (blue), 1 (grey), 9 (green)	▶ 🗑️	⋮
<input checked="" type="checkbox"/> PIONIER-L2circuit-remove_order_to_payment_dag gp4l	airflow	22 (green), 21 (red)	None	2025-04-09, 14:55:00		3 (green)	▶ 🗑️	⋮
<input checked="" type="checkbox"/> PIONIER-LSO-back-channel-dag gp4l	airflow	220 (green), 88 (red)	None	2025-04-09, 15:16:52		1 (green)	▶ 🗑️	⋮

Backup slides

The screenshot shows a Mattermost chat interface. On the left is a sidebar with navigation options like 'Network', 'KANAŁY', and 'BEZPOŚREDNIO'. The main chat area displays a notification from 'AirFlow BOT' at 07:57 stating 'A new L2circuit service was added to Maat: 9525bbcd-99fc-4b78-899f-5abd0814d9fa'. Below the notification is the LSO output, which is a JSON object containing job_id, output, and a detailed Ansible playbook log. The log shows tasks for building configuration, rendering templates, and pushing configurations to 'ptx-war-1' and 'ptx-wro-1'. It details the configuration of L2circuits and units on these devices, including interface settings, descriptions, and neighbor configurations. The output concludes with a 'PLAY RECAP' table and a successful status.

```

1  {
2    "job_id": "58a03807-5a62-4948-a9e6-c2da7ff58c44",
3    "output": "
4    PLAY [Provision L2circuit] *****
5
6    TASK [build_config : Create temporary file] *****
7    changed: [ptx-war-1]
8    changed: [ptx-wro-1]
9
10   TASK [build_config : Render "l2circuit.j2" template for "ptx-war-1"] *****
11   changed: [ptx-war-1 -> localhost]
12   changed: [ptx-wro-1 -> localhost]
13
14   TASK [build_config : Push config to "ptx-war-1"] *****
15   [edit protocols]
16   + l2circuit {
17   +   neighbor 150.254.253.68 {
18   +     interface et-0/2/5.88 {
19   +       virtual-circuit-id 85011322;
20   +       description Infoshare_circuit;
21   +       ignore-mtu-mismatch;
22   +     }
23   +   }
24   + }
25   changed: [ptx-wro-1]
26   [edit interfaces et-0/2/7]
27   + unit 77 {
28   +   description "*** Infoshare ***";
29   +   encapsulation vlan-ccc;
30   +   vlan-id 77;
31   +   output-vlan-map swap;
32   + }
33   [edit protocols]
34   + l2circuit {
35   +   neighbor 150.254.253.68 {
36   +     interface et-0/2/7.77 {
37   +       virtual-circuit-id 85011322;
38   +       description Infoshare_circuit;
39   +       ignore-mtu-mismatch;
40   +     }
41   +   }
42   + }
43   changed: [ptx-war-1]
44
45   TASK [build_config : Removing temp output files] *****
46   changed: [ptx-war-1]
47   changed: [ptx-wro-1]
48
49   PLAY RECAP *****
50   ptx-war-1          : ok=4   changed=4   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
51   ptx-wro-1          : ok=4   changed=4   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
52   ",
53   "return_code": 0,
54   "status": "successful"

```

Backup slides

Maat Resources **Services**

Infoshare_circuit

serviceCharacteristic: [🔗](#) Submit edited object

CREATE NEW SERVICECHARACTERISTIC 🔍 🏠 ☰ ☰

Actions	Name	Value
	ignore_mtu_mismatch	true
	mtu	1
	virtual_circuit_id	85011322

Rows per page 10 1-3 of 3 < >

@schemaLocation:
<https://bitbucket.software.geant.org/projects/OSSBSS/repos/maat-schema/raw/TMF638-ServiceInventory-v4-pionier.json>

@type:
 Service

serviceRelationship: [🔗](#)

CREATE NEW SERVICERELATIONSHIP 🔍 🏠 ☰ ☰

Actions	RelationshipType	Service.id	Service.href	Service.name
	ref:I2.circuit.sap	152946c2-0d52-47bb-8128-9dfa2d609bd2	https://10.255.224.129:8082/serviceInventoryManagement/v4.0.0/service/152946c2-0d52-47bb-8128-9dfa2d609bd2	SAP1.Infoshare_circuit
	ref:I2.circuit.sap	c81106de-3be7-4177-99b8-5b7c0139a5e6	https://10.255.224.129:8082/serviceInventoryManagement/v4.0.0/service/c81106de-3be7-4177-99b8-5b7c0139a5e6	SAP2.Infoshare_circuit

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resourceRelationship: [🔗](#)

CREATE NEW RESOURCERELATIONSHIP 🔍 🏠 ☰ ☰

Actions	RelationshipType	Resource.id	Resource.href	Resource.name
	bref:customer	56a9d9c5-dc5e-4e08-8f06-eab191a8c4c7	https://10.255.224.129:8082/resourceInventoryManagement/v4.0.0/resource/56a9d9c5-dc5e-4e08-8f06-eab191a8c4c7	PIONIER_DEMO

Create new Service

- > identifier
- > I2.circuit.sap
- ▼ I2.circuit
 - test_circ_4_with_customers
 - test set-name 1
 - last test 505
 - test
 - _L2_circuit_wro_war_02
 - _L2_circuit_wro_war_03
 - _L2_circuit_wro_war_04
 - _L2_circuit_wro_war_05
 - _L2_circuit_wro_war_09
 - _L2_circuit_wro_war_10
 - _L2_circuit_wro_war_11
 - _L2_circuit_wro_war_12
 - Infoshare_circuit
 - > I3.vrf
 - > I3.vrf.sap
 - > I2.evpn
 - > I2.evpn.sap
 - > protocol.bgp

Backup slides

Maat AirFlow BOT 07:40

LSO output:

```
1  {
2    "job_id": "c8e6e831-eb1c-40b3-a7e9-63100c8fe134",
3    "output": "
4    PLAY [Delete L2circuit] *****
5
6    TASK [Delete l2circuit and unit] *****
7    ok: [ptx-war-1]
8    changed: [ptx-wro-1]
9
10   PLAY RECAP *****
11   ptx-war-1          : ok=1   changed=0   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
12   ptx-wro-1          : ok=1   changed=1   unreachable=0   failed=0   skipped=0   rescued=0   ignored=0
13   ",
14   "return_code": 0,
15   "status": "successful"
16 }
```