Keeping \( n \) Landscapes Blooming

CF Summit Basel 2017

Martin Schröder & Andreas Heix, SAP SE
Introduction

Team
- Canada
- Germany
- France
- India

Virtual Machines
- North America: 929 VMs
- Europe: 2150 VMs
- South America: 256 VMs
Agenda

- Landscape gardening and the art of CF maintenance
- Working mode and how we got there
- Monitoring and tool selection
Landscape Gardening and Cloud Foundry
Working Mode

... and how we started
Timeline & Boundary Conditions

January 2015

April 2015

October 2015

October 2017

ISO compliance

Bi-weekly

OpenStacks

AWS

Azure

GCP
Bill of Materials (BOM)

Per Landscape

Central Tooling

• elastic
• Jenkins
• Grafana
Balancing the Backlog

Keep the system running

Innovation

Improvement
Team Setup and Collaboration

Generalist & Specialist
Feedback from outside the Lab
Right Now & Long Term

New Improvement Ideas from the Lab

Celebrate Small Successes
Build Trust
Monitoring

... and tool selection
Is the Landscape Healthy?
Monitoring Layout

Dev & Landscape Team  Landscape Team  World
### OpenStack Hotfix Monitors

This landscape/group is not outage relevant. Please do not trigger outage processes in case of alerts or failing tests.

<table>
<thead>
<tr>
<th>Monitor Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PingCF_SF</td>
<td>Ping SCI URL of SAP tenant</td>
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<tr>
<td>PingCF_DS</td>
<td>Ping Monitoring app for UPS Postgres</td>
</tr>
<tr>
<td>Ping the HCockpit app</td>
<td>Ping Monitoring app for Infra ELK</td>
</tr>
<tr>
<td>Backup Bash</td>
<td>Backup Bootstrap Bash</td>
</tr>
</tbody>
</table>

#### Recommended Actions
- Service Provider
- Required Action for 24/7 Team
- Hotfix Monitors
- Backup CF
The Reality - Deployment Status of the Landscapes

**OpenStack-Live-01**
unmerged commits from the products rel branch

**OpenStack-Live-02**
unmerged commits from the products rel branch

**OpenStack-Hotfix**
deployments with outdated product
unmerged commits from the products rel branch

**AWS-Live-01**

**AWS-Live-02**

**AWS-Hotfix**
deployments with outdated product
unmerged commits from the products rel branch

**Azure-Hotfix**
missing deployments
failed deployments
deployments with outdated product
unmerged commits from the products rel branch

**Azure-Live-01**

Here the json file on Github
<table>
<thead>
<tr>
<th>Deployment</th>
<th>Last Build</th>
<th>Landscape Config</th>
<th>Product</th>
<th>Deployed Since</th>
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Plans

... for the next season
Aggregate Black and White Box
Learning from the Community
Thank you