

# 3 key considerations to drive value from your cloud migration



# Introductions

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**Avantra**, AIOps platform that enables hyperautomation

# Agenda




- SAP in the cloud - what does that mean?
- Technical automation
  - Planned cloud automation
  - Unplanned cloud automation
  - Automation platform and fringe automation
- How Avantra can help

# SAP in the cloud

## Private Cloud

Various Private  
Cloud Providers  
&  
Managed Service  
Providers

**IaaS**  
Infrastructure as a Service  
Hyperscalers



## PaaS

Platform as a Service

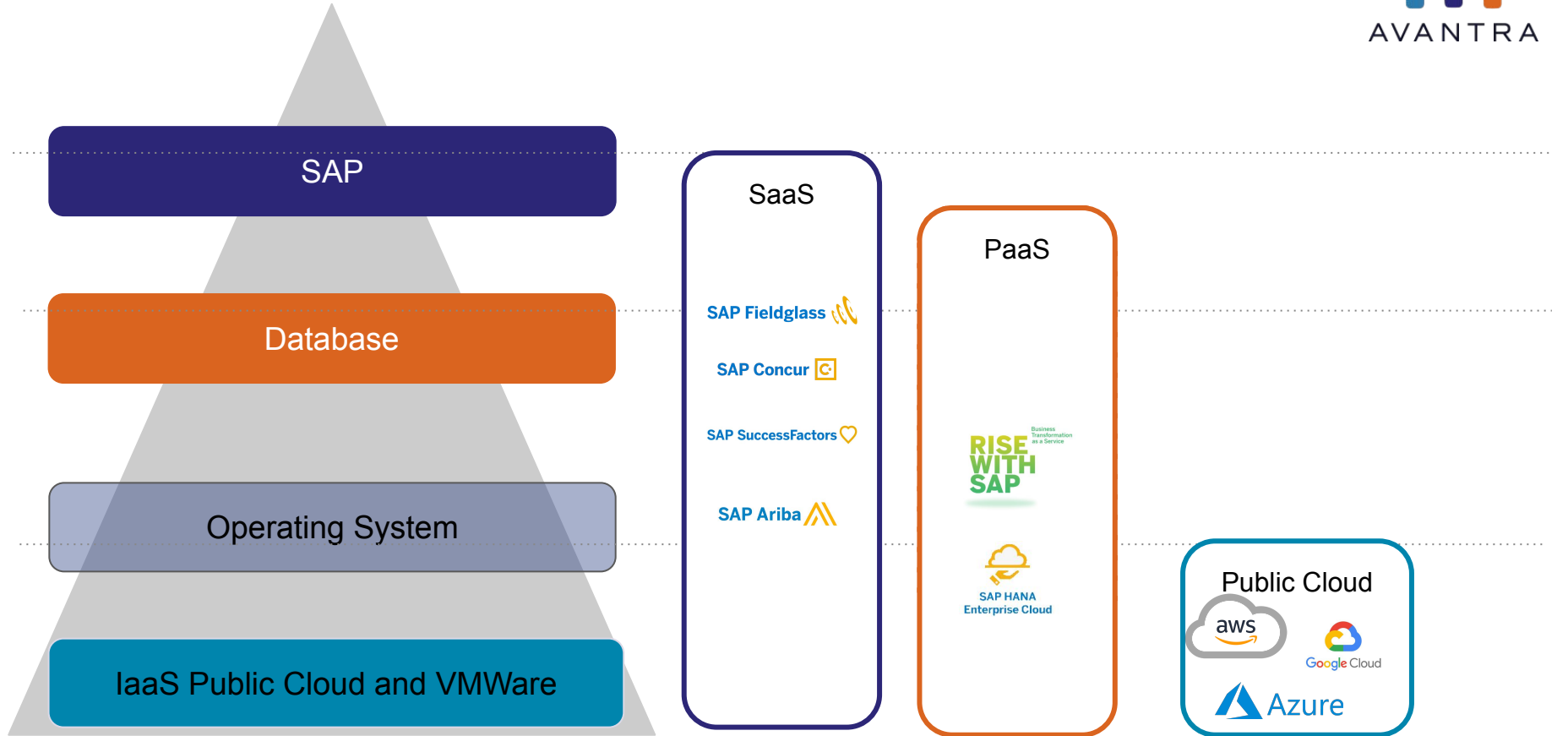


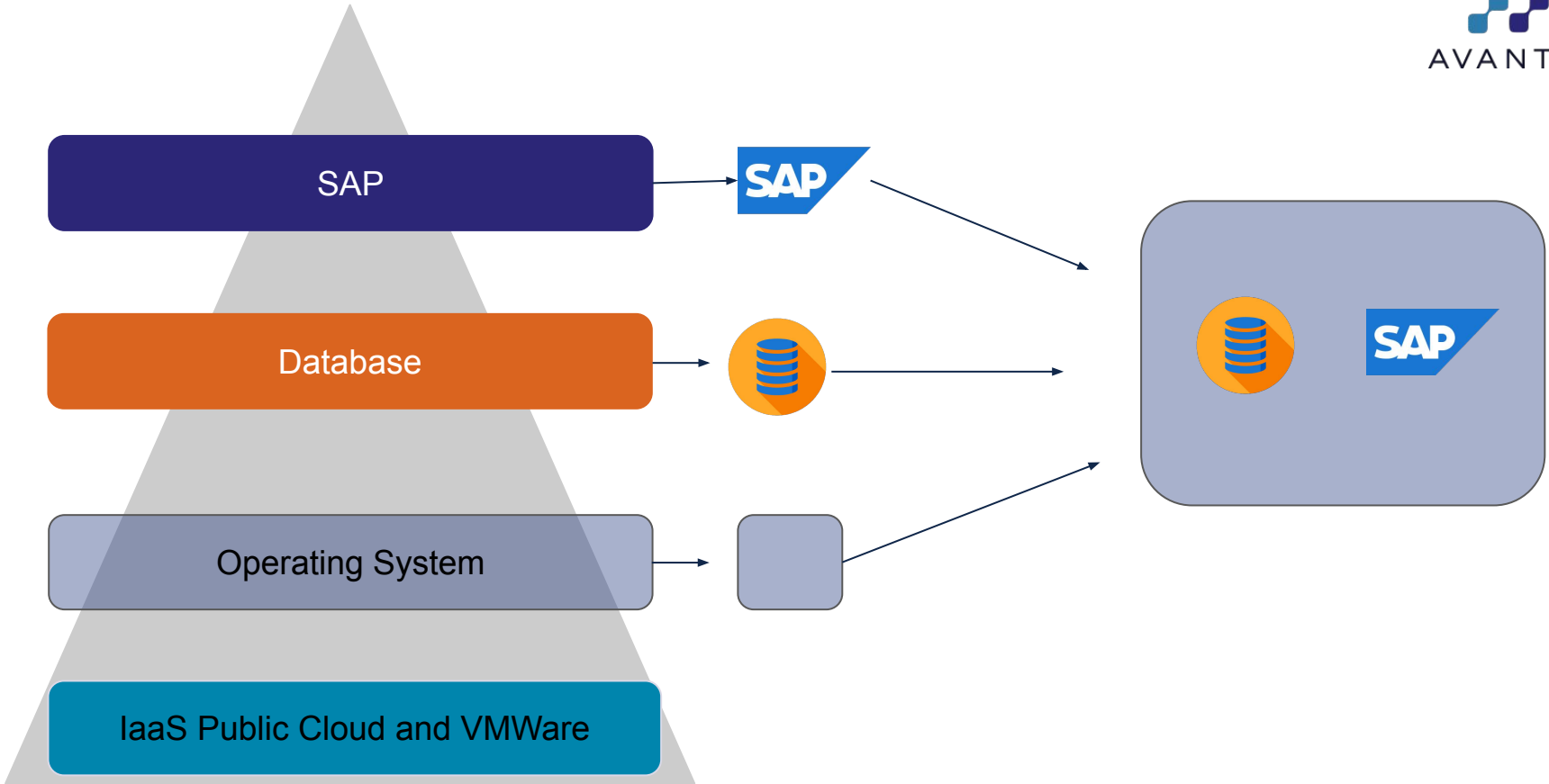
## SaaS

Software as a Service

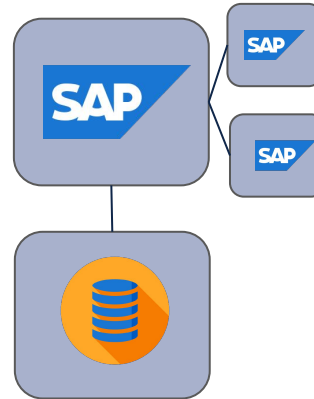


# Cloud technical stack



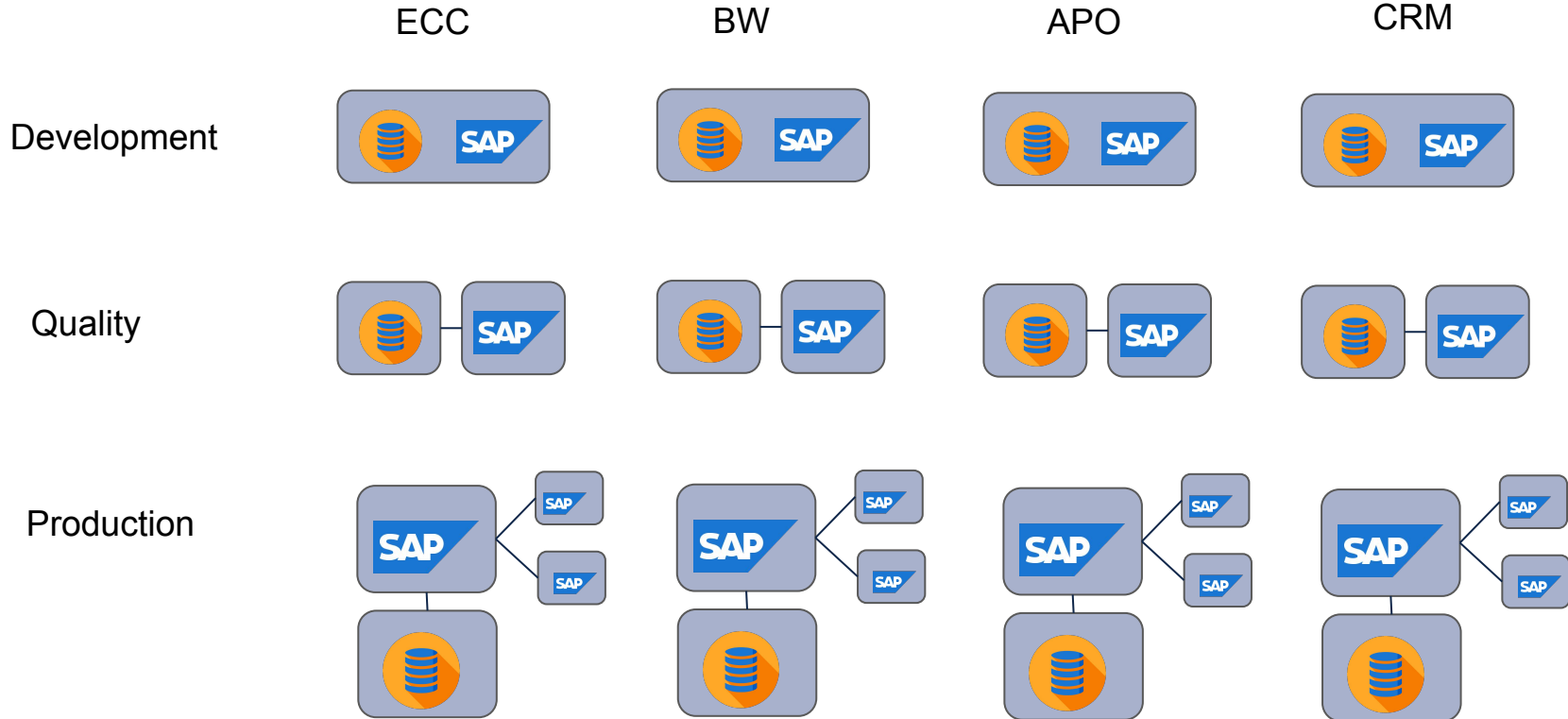


# Technical SAP architecture



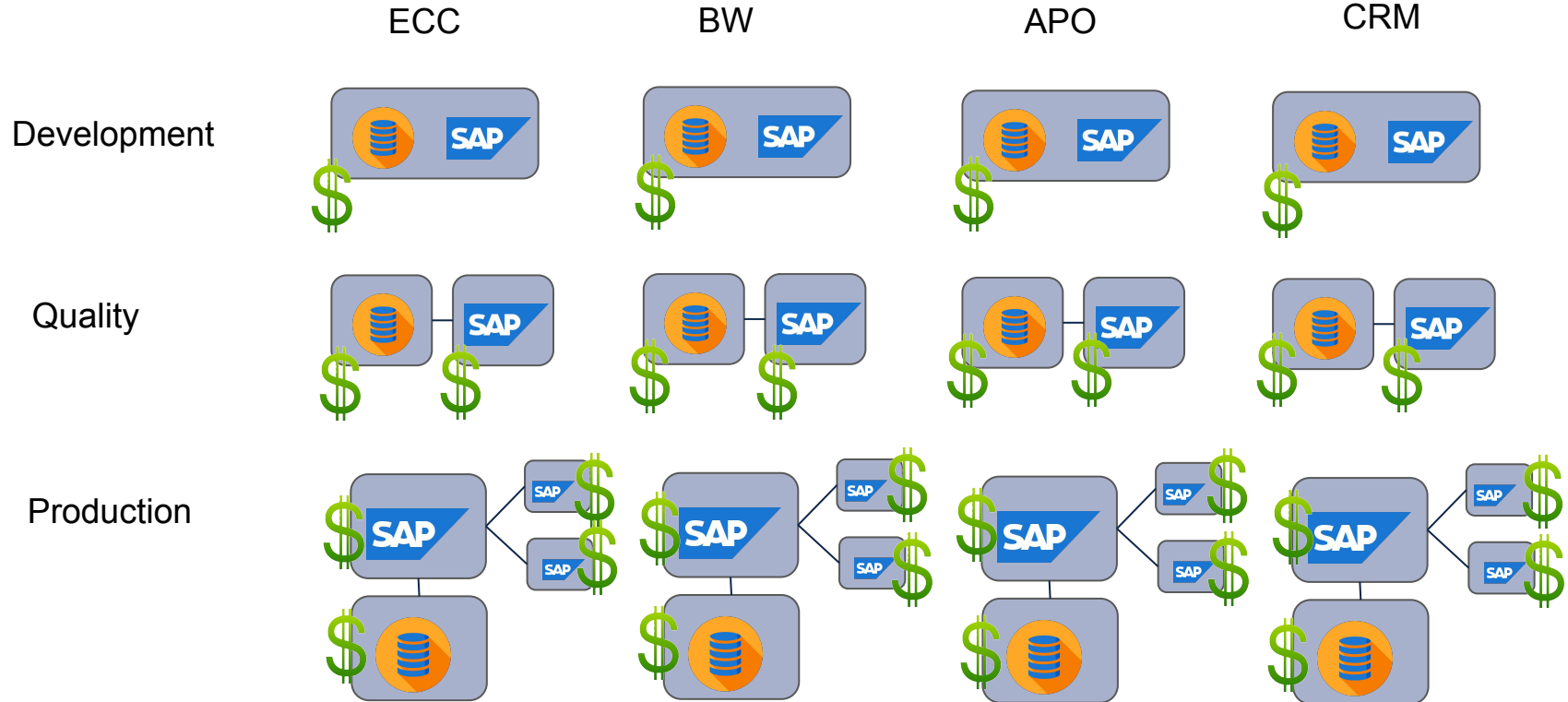
- SAP application and database on different servers
- Addition of application servers (work engines)
- SAP systems get much more complex

# Complexity of SAP landscape

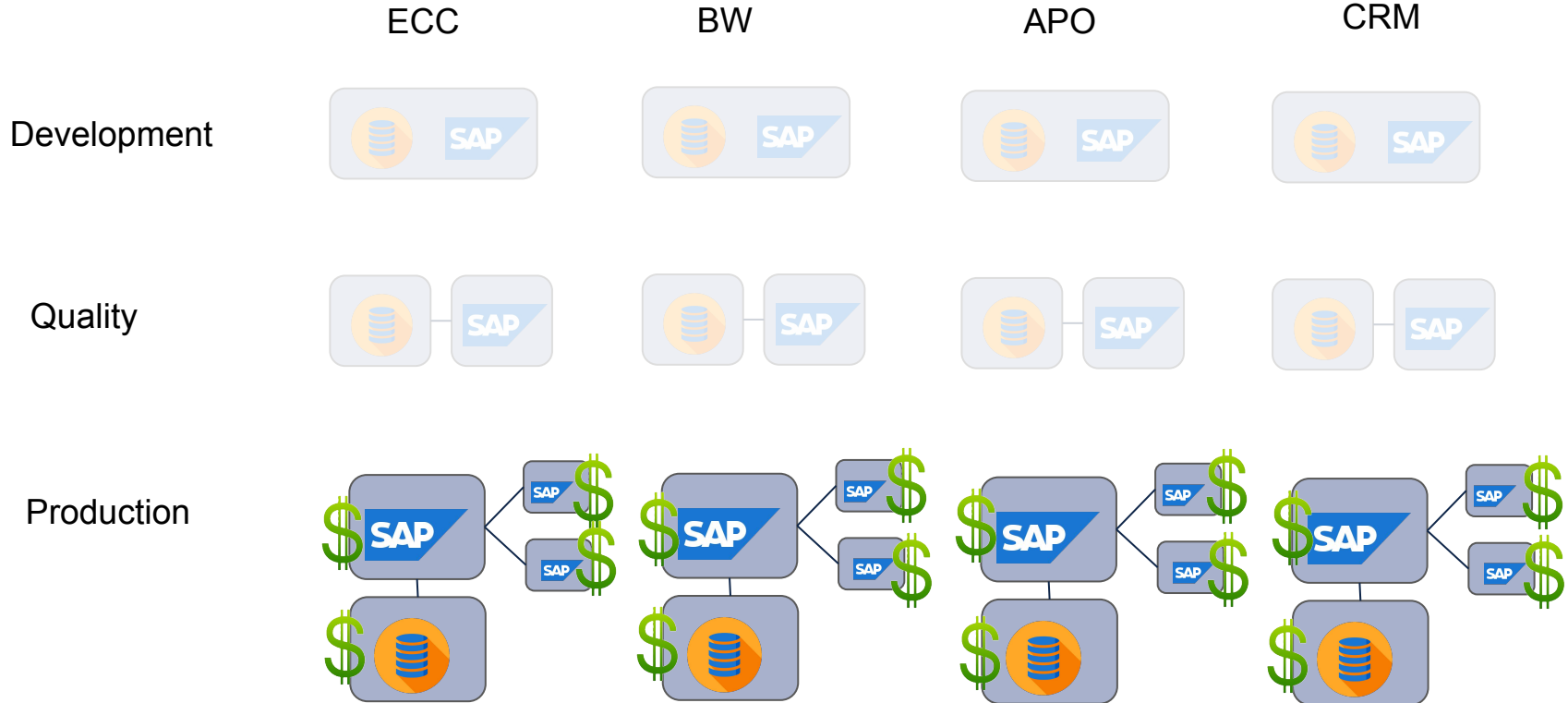




# Cloud cost



# Cloud cost savings

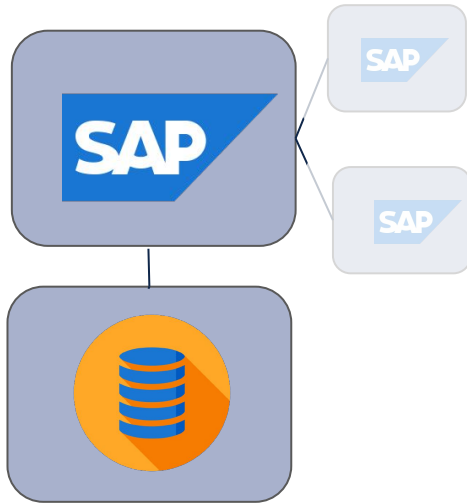


# Planned cloud automation



- Significant cloud savings
- Consistent shutdown / startup processes
- Happy employees – No recurring off hours work
- Sustainability

# Unplanned Cloud Automation: Scaling Out



## Work Processes

- Little work engines
- Many other SAP based metrics
- Not visible to non-SAP monitoring

## Use Cases

- Unknown performance issues
- Busy season
- Month end closing
- Unsure architecture, M&A

# Unplanned cloud automation



- Maintain ongoing low cloud costs
- Keep business moving
- Better support life, give the team time to research issues

# Automation platform

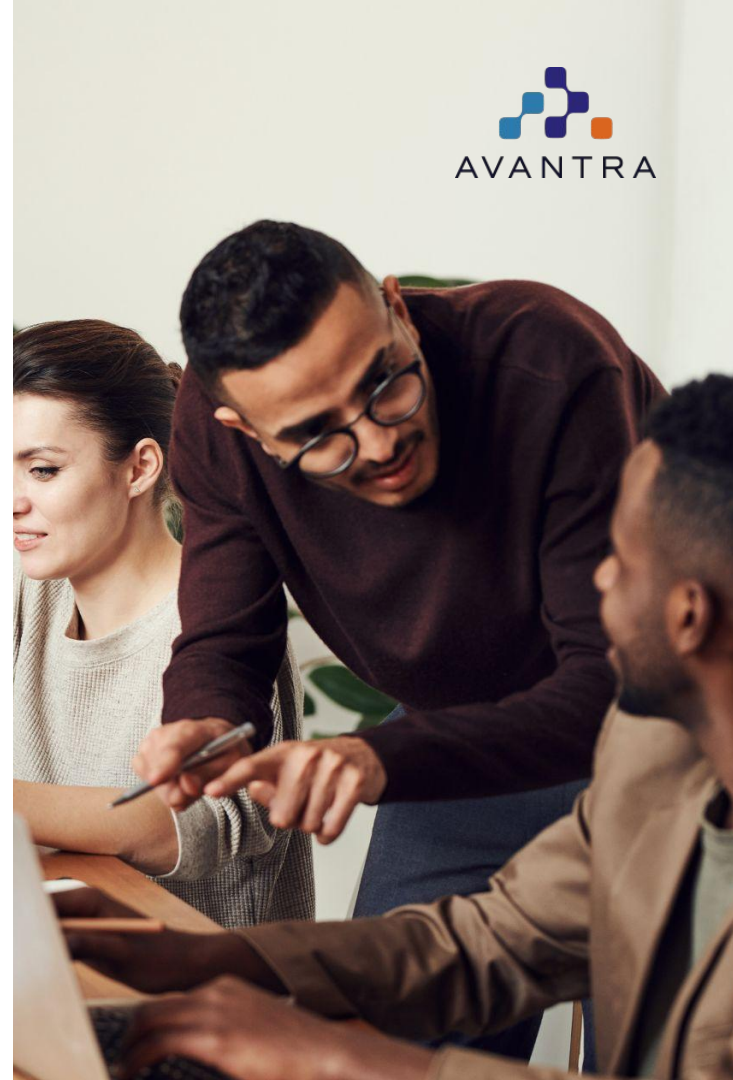
## & fringe automation

Every SAP environment is unique

- Architecture
- Development
- Supporting software (3<sup>rd</sup> party, backups, etc...)
- Interfaces (legacy systems, banks, vendors, etc...)

A platform is needed where automation can be customized

- Planned
- Unplanned



# Automation across the technical stack



\*\*With correct authorizations

SAP

Trigger an ABAP Event  
Calling remote function calls & BAPI  
Kernel Upgrades  
Identify HotNews/High security notes  
Start/Stop (SAP system or individual instances)

Database

Database Refreshes  
Run SQL Scripts  
Start/Stop SAP database

Operating System

Run Command Line Commands  
Run Scripts from central Avantara Master  
SSH  
Start/Stop with IaaS Public Cloud and VMWare  
Modifying SAP Profile Parameters

IaaS Public Cloud and VMWare

Start/Stop - Scheduled and Triggered

\*\*Combine and Orchestrate Order

# Automation platform

- Drive an innovative culture
- Reduce downtime
- Get ahead of business related issues
- Keep costs low
- Keep support teams focused with less interruptions
- Keep happy teams by minimizing off hours work



# Designed to manage your SAP world



## Operational Transparency

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Customizable dashboards

Business process technical monitoring

Customizable reports

Notification escalation

Best practice provided out of the box



## Actionable Insights

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Intelligent alerts

Root-cause visibility

Predictive resource analysis

Consistent auditing & system governance

Agent-based deployment for deep insights



## Full Stack Automation

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Consistent and rapid deployments

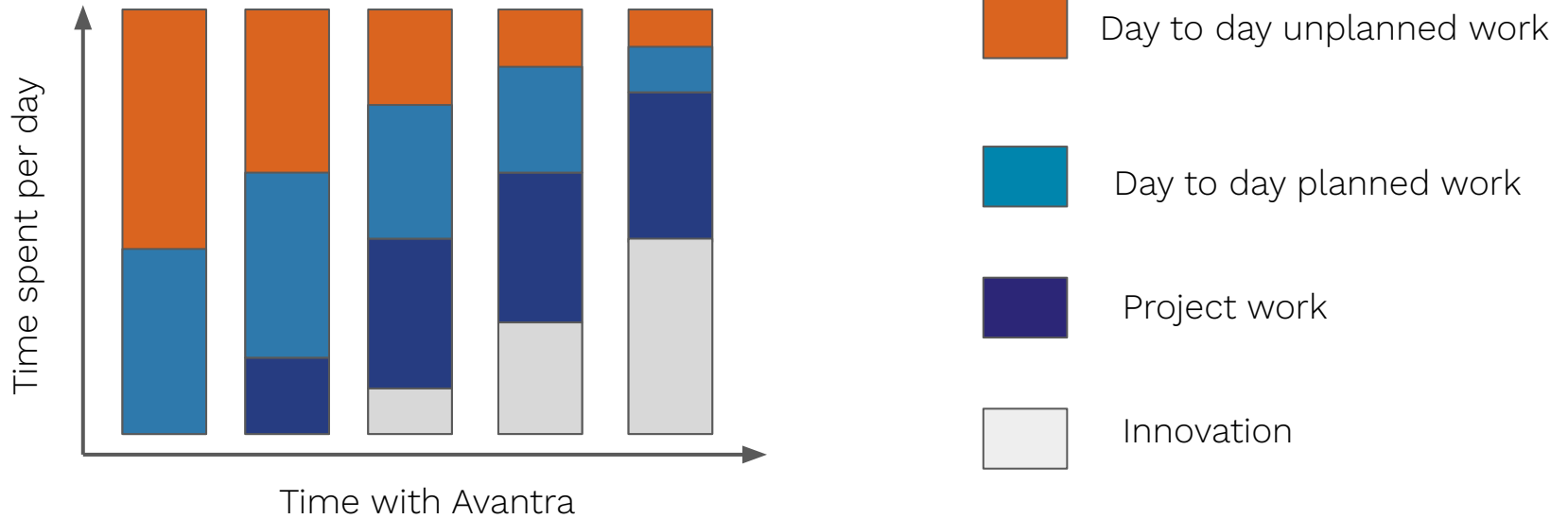
Best-practice monitoring automation

System hardening

Cloud automation

Build your own custom checks & actions

# Driving an Innovative Culture



# Invista / Chemical Company

“We selected Avantra to manage our AWS and on-premise SAP systems. Avantra empowered us with a monitoring solution that keeps us informed through real-time alerts, resource utilization, and integrations with business processes inside our ERP systems.”

Company SAP Basis Lead



In the process of a migration to the cloud, the customer identified the need to manually scale that cloud as well as hybrid landscape monitoring and notifications. This was not available through other means.



Without scaling to match demand the customer would not have realized the true cost saving benefits from operating a managed hybrid cloud landscape.



Using Avantra, the customer could easily see how much cloud resource was expected to be used and adjust accordingly. They also deployed cloud scaling automation and have landscape wide (on-prem and cloud) monitoring with real time notifications.



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