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MFG310

Deploying an MES in the cloud and at the edge on AWS Outposts

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Agenda

- 01 MES deployment evolution
- **MES** in AWS Region: Example of Siemens Opcenter
- **03** Siemens Opcenter on AWS Outposts: Discussion and demo
- **04** Deep dives: High availability, disaster recovery, scalability
- 05 How to get started



Introduction



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Manufacturing execution system (MES) evolution

SHIFT TOWARD MORE FLEXIBILITY, SCALABILITY, AND ADAPTABILITY







On premises

- Large-scale implementations
- Full scope
- Hardware reqirements

On cloud

- Flexible sizing
- Modularity
- SaaS or self-managed

AWS Regions

On edge/ hybrid cloud

 Bringing AWS experience on premises

AWS Outposts



MES in the cloud delivers immediate benefits

Optimized TCO

Up to 50% reduction

Faster time to productive use

From months to days

Streamlined operations

Agile and secure

Data-driven innovations

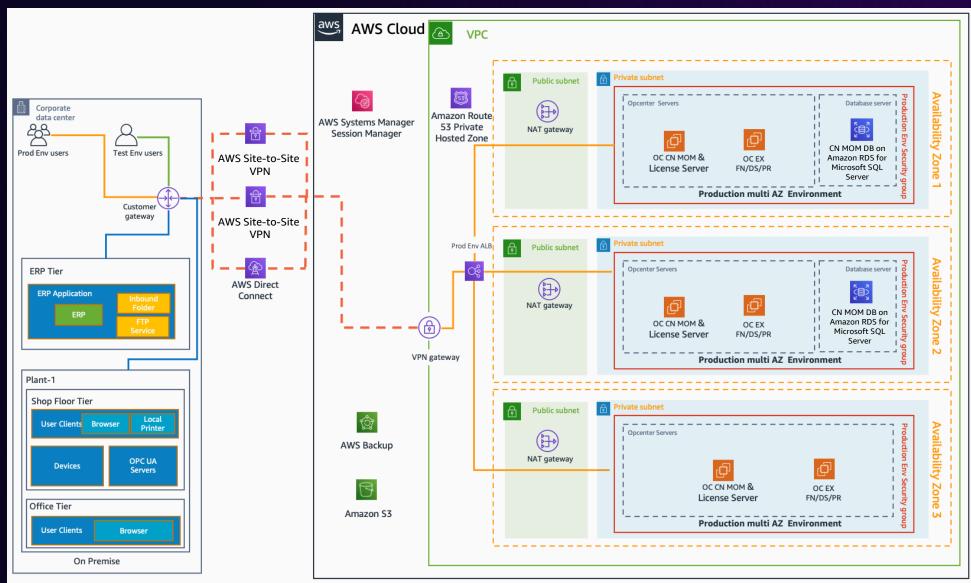
Global transparency and actionable insights



MES in AWS Region: Example of Siemens Opcenter



Siemens Opcenter Execution foundation on AWS





Running MES in the cloud: Key points to consider



Latency sensitivity



Security & data residency



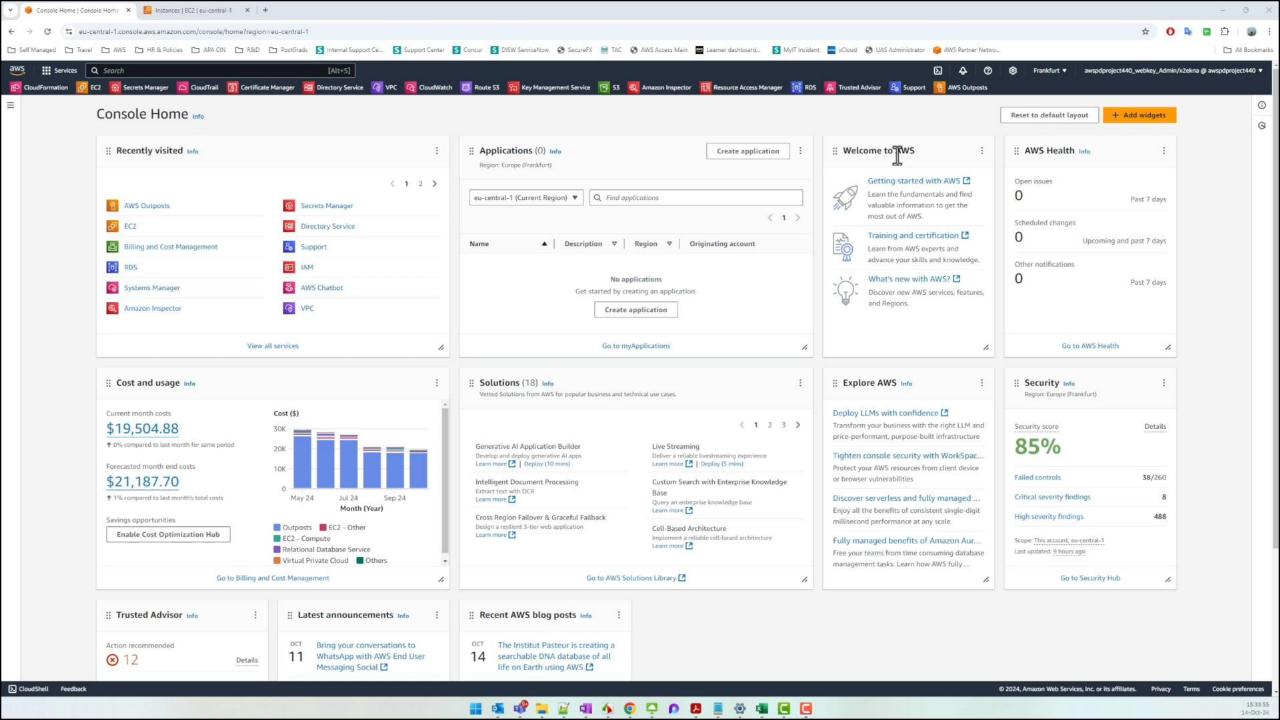
Two solutions, one experience
AWS Cloud or AWS Outposts



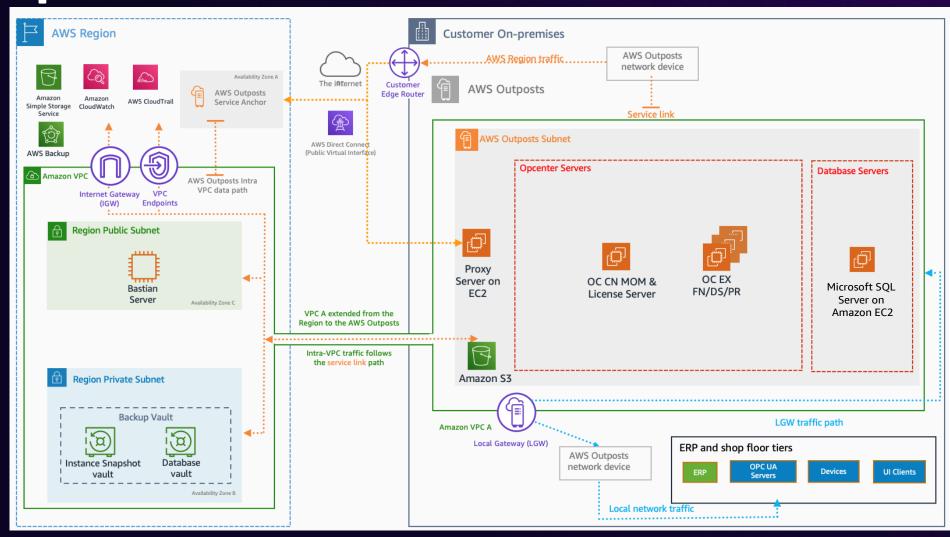


Siemens Opcenter on AWS Outposts: Discussion and demo





Siemens Opcenter Execution foundation on AWS Outposts

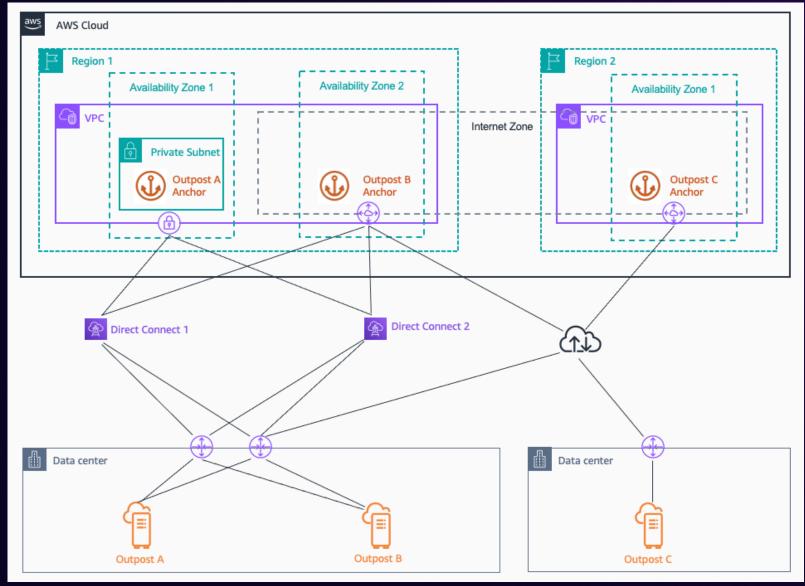




Deep-dives: High availability, disaster recovery, and scalability



High availability anchor connectivity





Outposts cost considerations

WHAT DRIVES THE COST OF AN AWS OUTPOST?

- Compute capacity
- Storage capacity
- Direct Connect
- Upfront or monthly payments
- Data transfer from the AWS Region to the Outpost
- Enterprise or Enterprise On-Ramp Support is required



How to get started



Learn more











Siemens Blog
Cloud-based MES:
Opcenter
Execution for
process and
discrete industries
on AWS

AWS Guidance
Deploying
Siemens Opcenter
Execution
Foundation on
AWS

Siemens
Guidance
Opcenter
Execution
Foundation on
AWS Cloud

GitHub AWS
Sample
AWS Outposts Lab

Blog & presentation with customer
Unlocking
Manufacturing
Efficiency: Can
Opcenter EX
Foundation on AWS
Cloud Revolutionize
Your Production
Line?



Thank you!



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