

Implementing SAP in the Cloud with AWS Tools and Services

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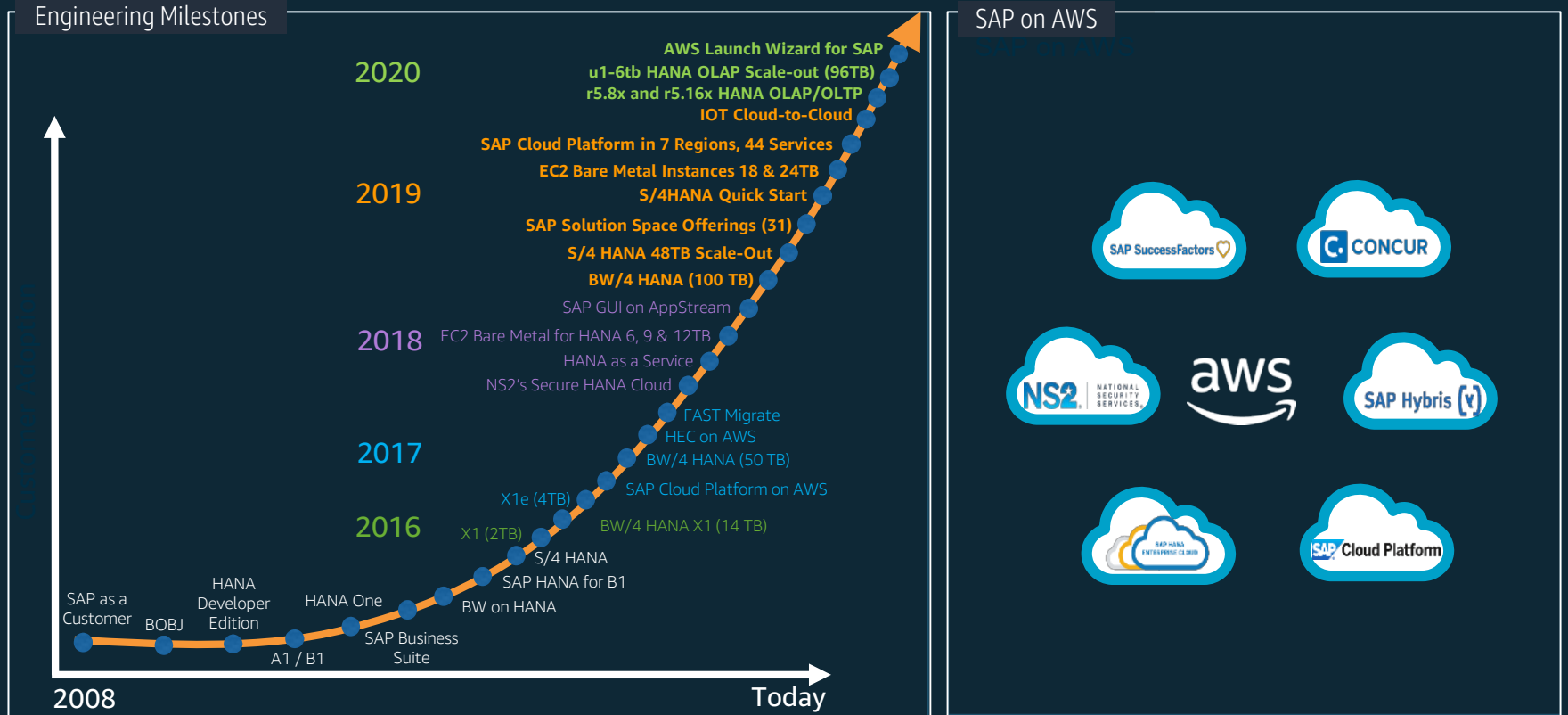
Principal Product Manager, AWS EC2

Naresh Pasumarthy

Principal Solutions Architect, SAP on AWS

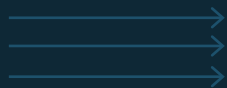
The SAP | AWS alliance

Un-Matched Pace of Innovation and Relationship



SAP DevOps Tools & Practices

Solutions as Code

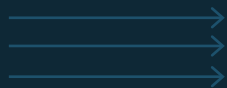


Infrastructure as Code

Configuration as Code

Policy as Code

SAP as Code



SAP Infrastructure

Automated App/DB Install

Automated Testing & Validation

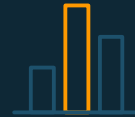
DevOps for SAP Management Tools



SAP
Infrastructure



Automated
App/DB Install



Monitoring



Automated Testing
& Validation

Integrated & Interoperable



AWS CloudFormation



Launch Wizard – SAP

AWS Systems Manager

AWS Service Catalog

Terraform

SaltStack



AWS Systems Manager

AWS OpsWorks

Ansible

Chef

Puppet

Microsoft DSC



Amazon CloudWatch

Splunk / PowerConnect

New Relic / BindPlane

SAP Solution Manager



AWS CloudTrail



AWS Config

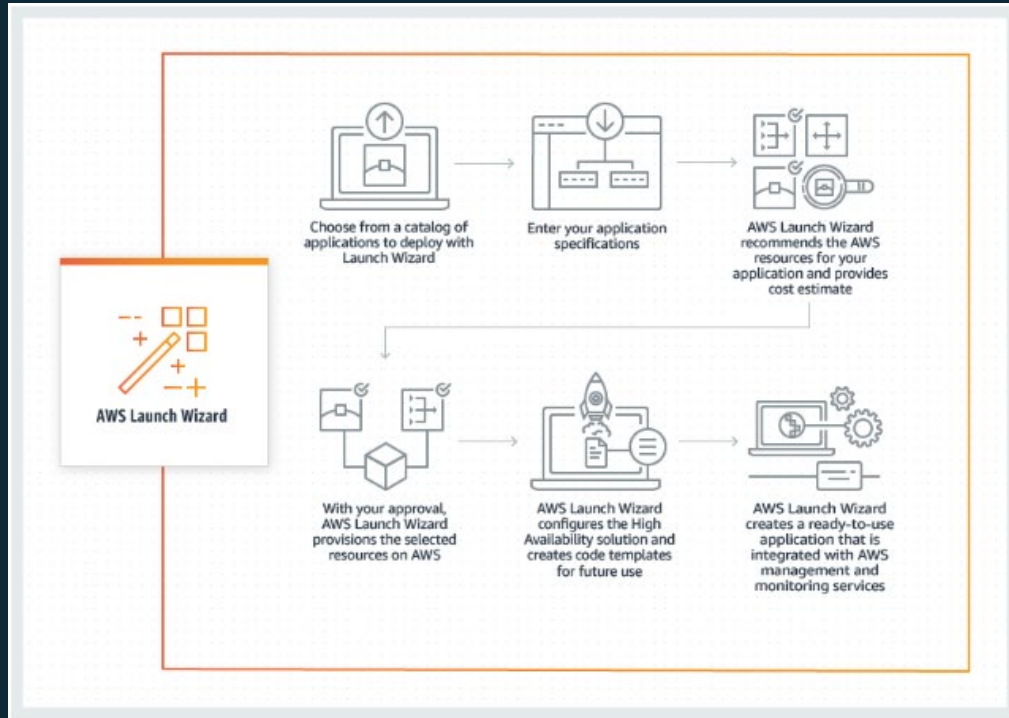


AWS Systems Manager

AWS Launch Wizard- SAP

AWS Launch Wizard for SAP

Wizard based experience to deploy and configure AWS resources for HANA database
And SAP Netweaver based applications on HANA



Features:

- SAP Certified AWS resource recommendation for SAP workloads
- Central place to view SAP deployments
- Performs SAP Specific Configurations
- Save and re-use infra settings
- Cost Estimates
- Integrated with Systems Manager and CloudWatch logs

AWS Launch Wizard for SAP - Benefits



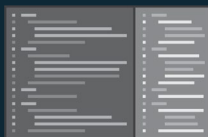
Reduces Deployment
time & effort



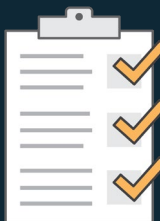
Guided Deployment



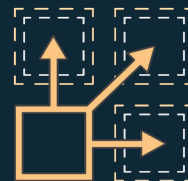
SAP Certified EC2 Instances



Infrastructure as Code



AWS and SAP
Best Practices

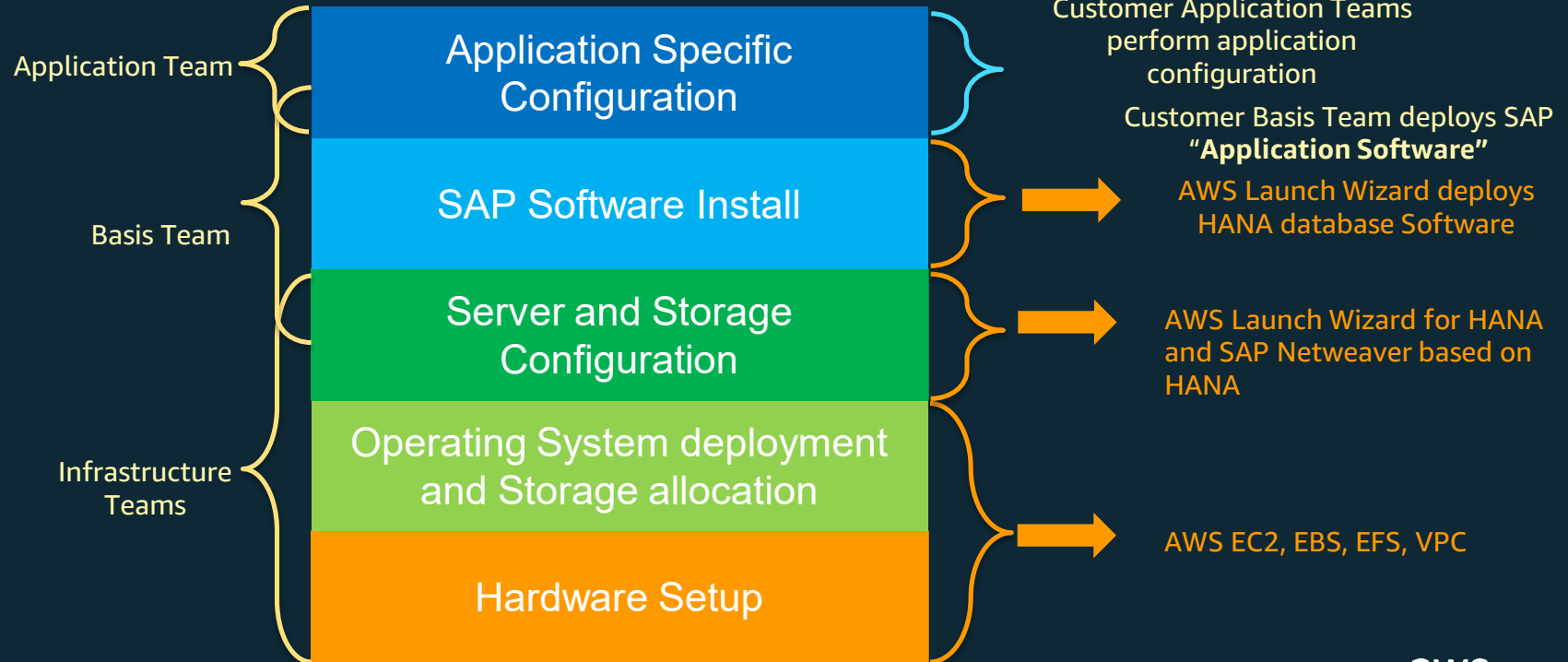


Deploy
complex
topologies with
ease

SAP System Deployment Process with AWS Launch Wizard

On-Premises

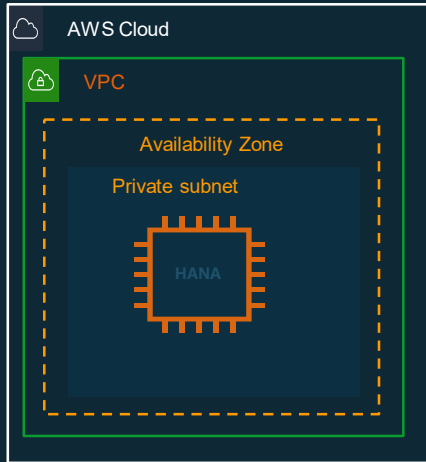
AWS



Pre-Requisites to deploy SAP Landscapes using Launch Wizard

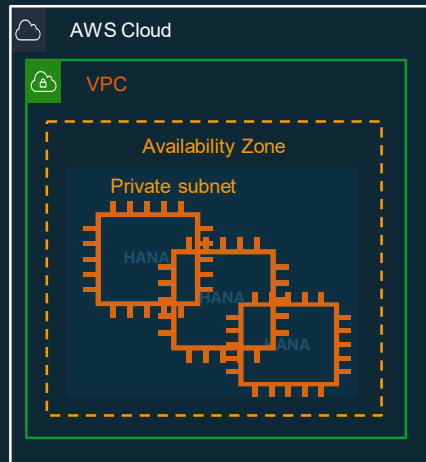
- Customer should have a Landing Zone with VPC/Subnets that meet their enterprise architecture already deployed
 - Single/Multi VPC design
 - VPC to VPC communication enabled with VPC Peering/Transit Gateway
 - Connection to On-Premises using DC or VPN
 - Subnet configured with outbound connectivity and using shared route table for HA deployments
 - Optionally security groups if that is preference
- HANA software made available via S3 bucket that has bucket prefix **launchwizard**

Supported Deployment Models - HANA

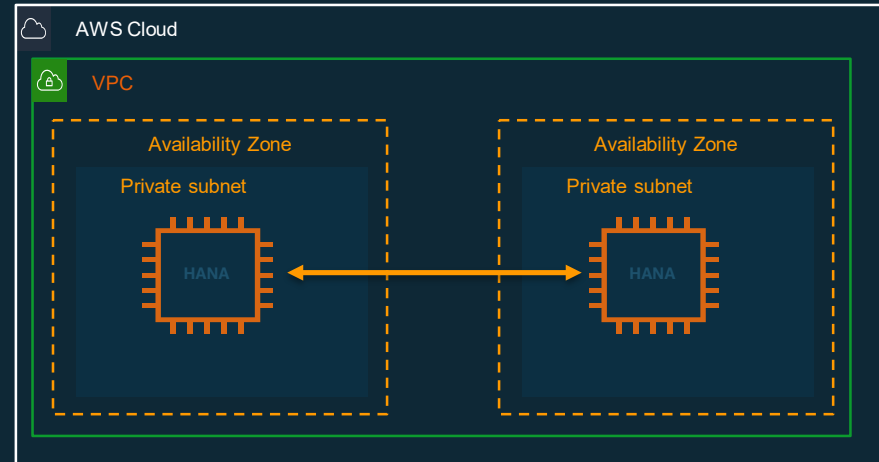


Single Node
Deployment

- HANA Side-Car
- HANA DataMart
- Native HANA Applications

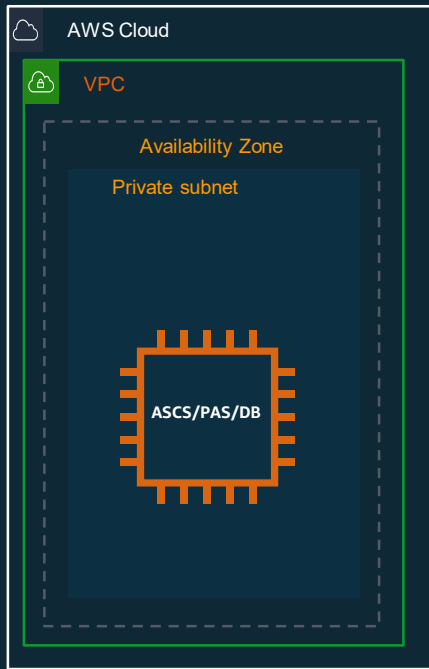


Multi Node Deployment

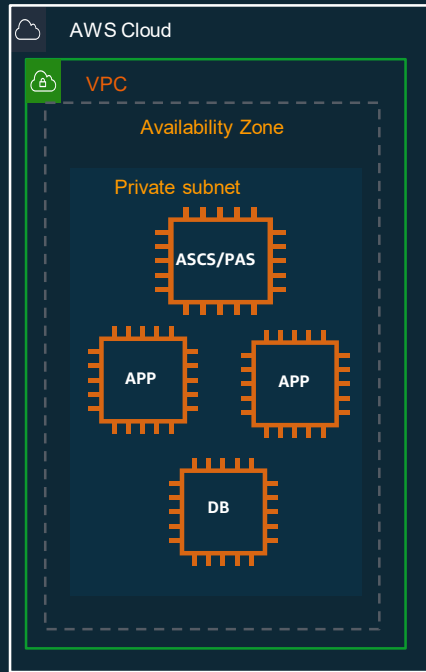


Cross AZ High
Availability Deployment

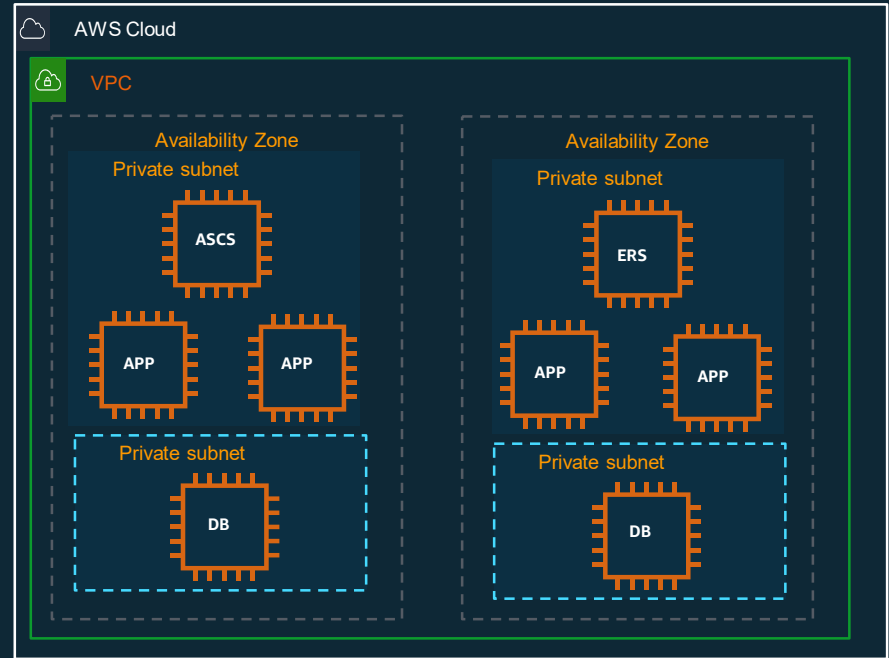
Supported Deployment Models – Netweaver* on HANA



Single Instance Deployment



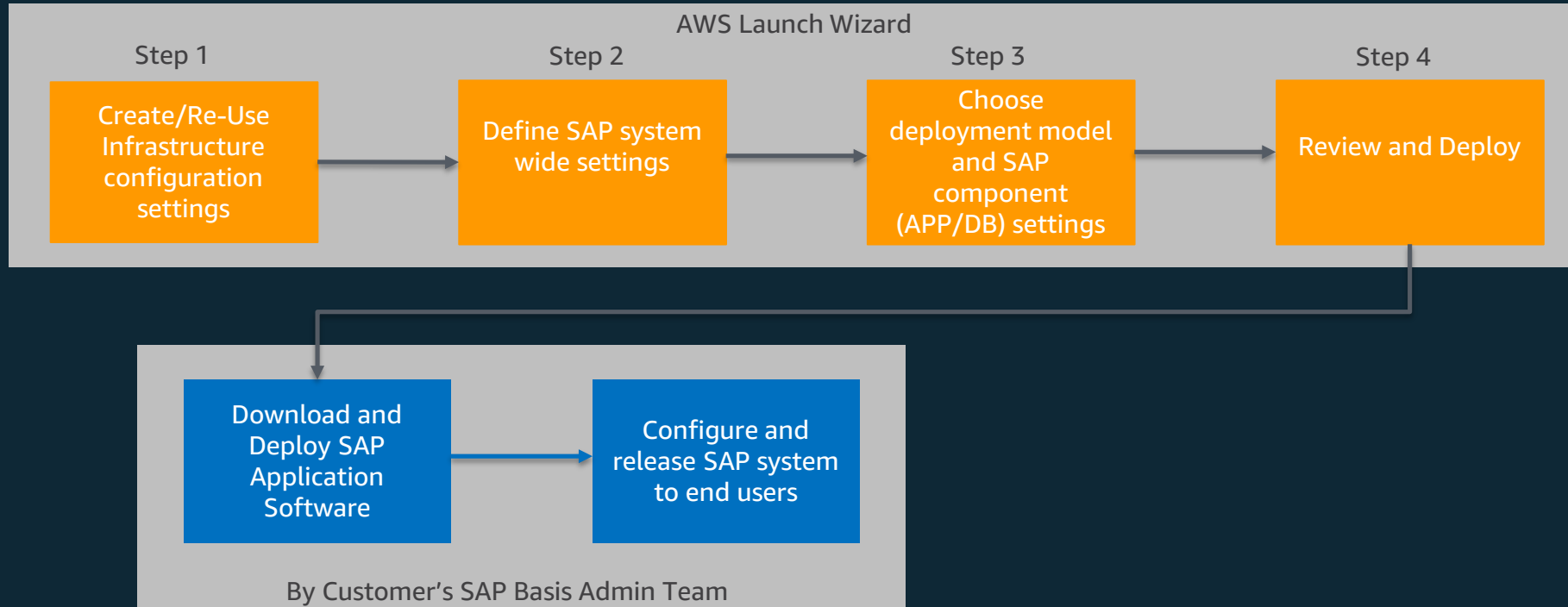
Distributed Instance Deployment*



Cross AZ High Availability Pattern*

To deploy and run – SAP S/4HANA, ECC on HANA, BW on HANA, BW4HANA

SAP System Deployment process with AWS Launch Wizard

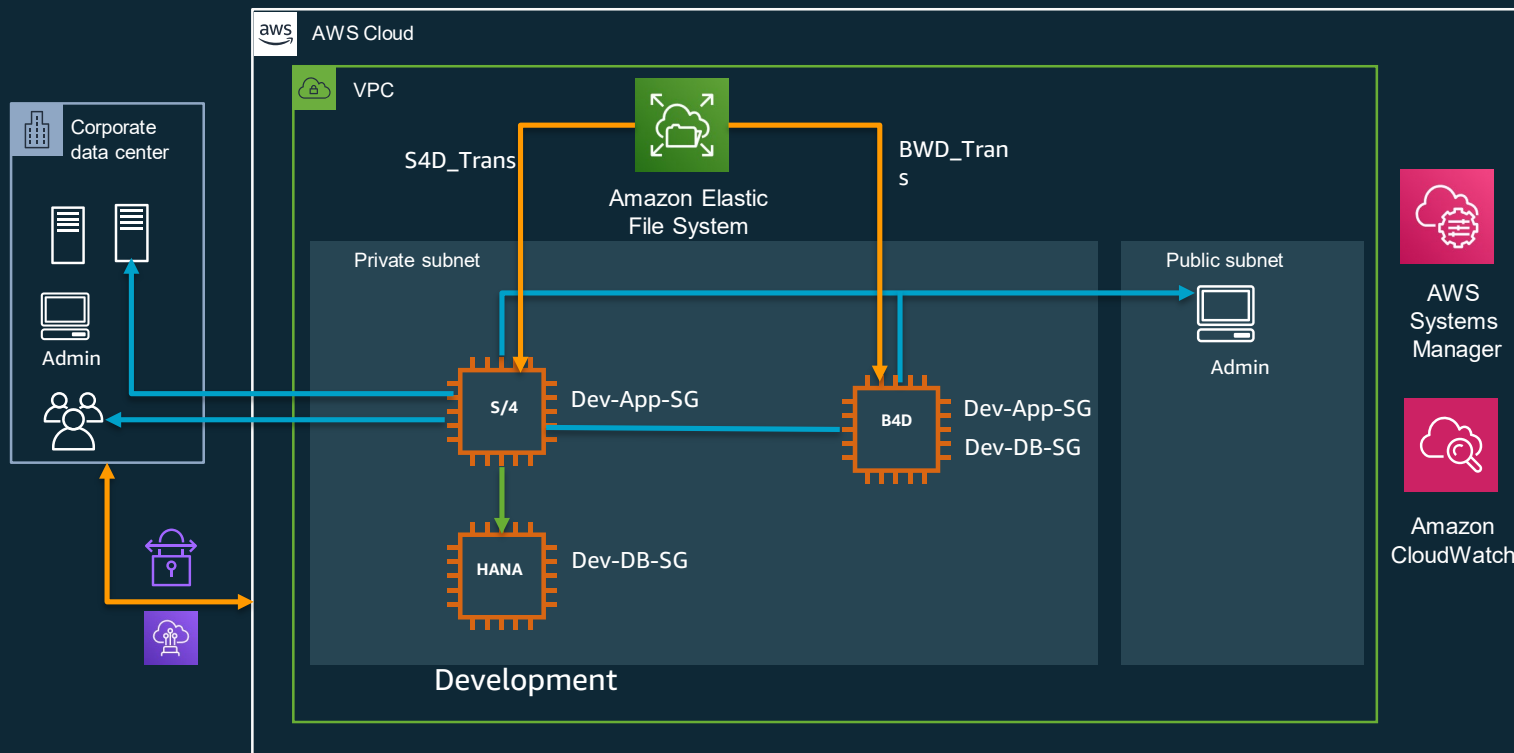


Applicable for:

- HANA based native applications
- SAP applications like S/4, ECC, BW, BW4HANA, CRM etc. running on Netweaver stack/HANA database

Demo

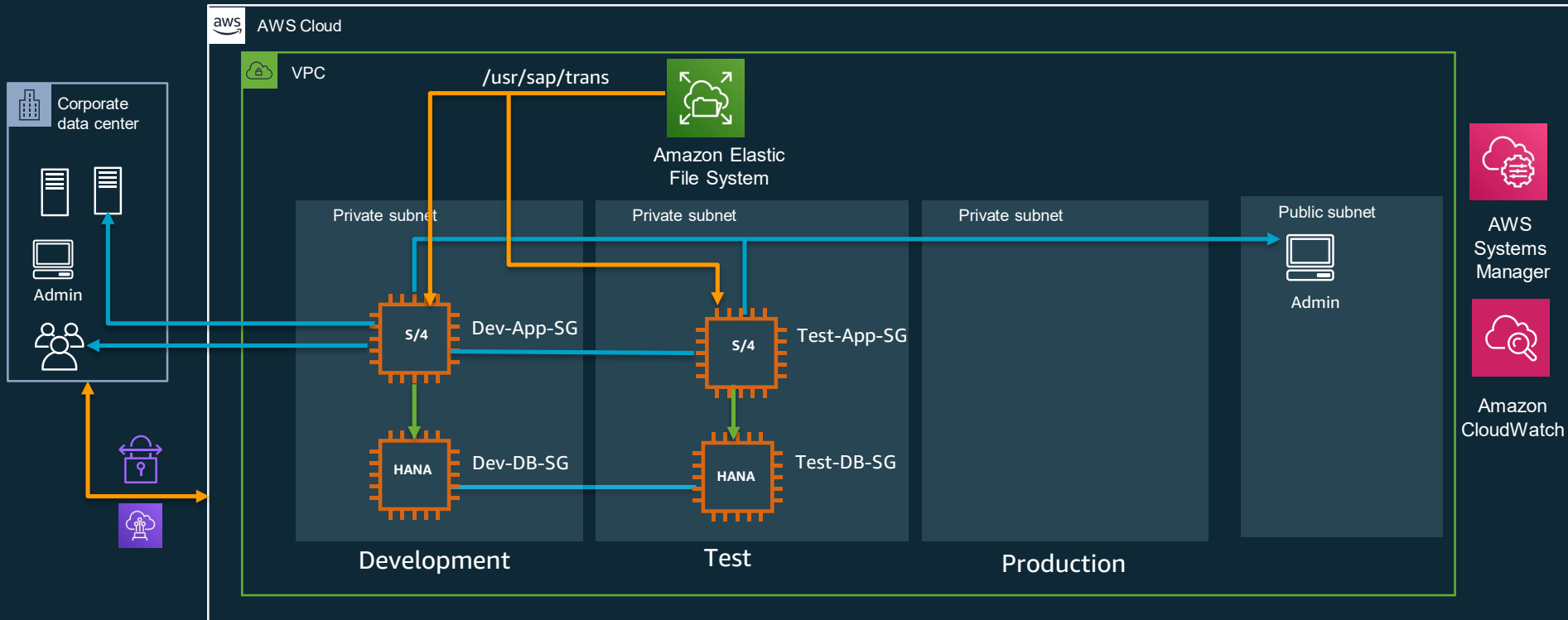
Deploying Dev Systems with Launch Wizard



1) Create Dev configuration template as part of first development system install

2) Re-Use the template for additional Dev systems build

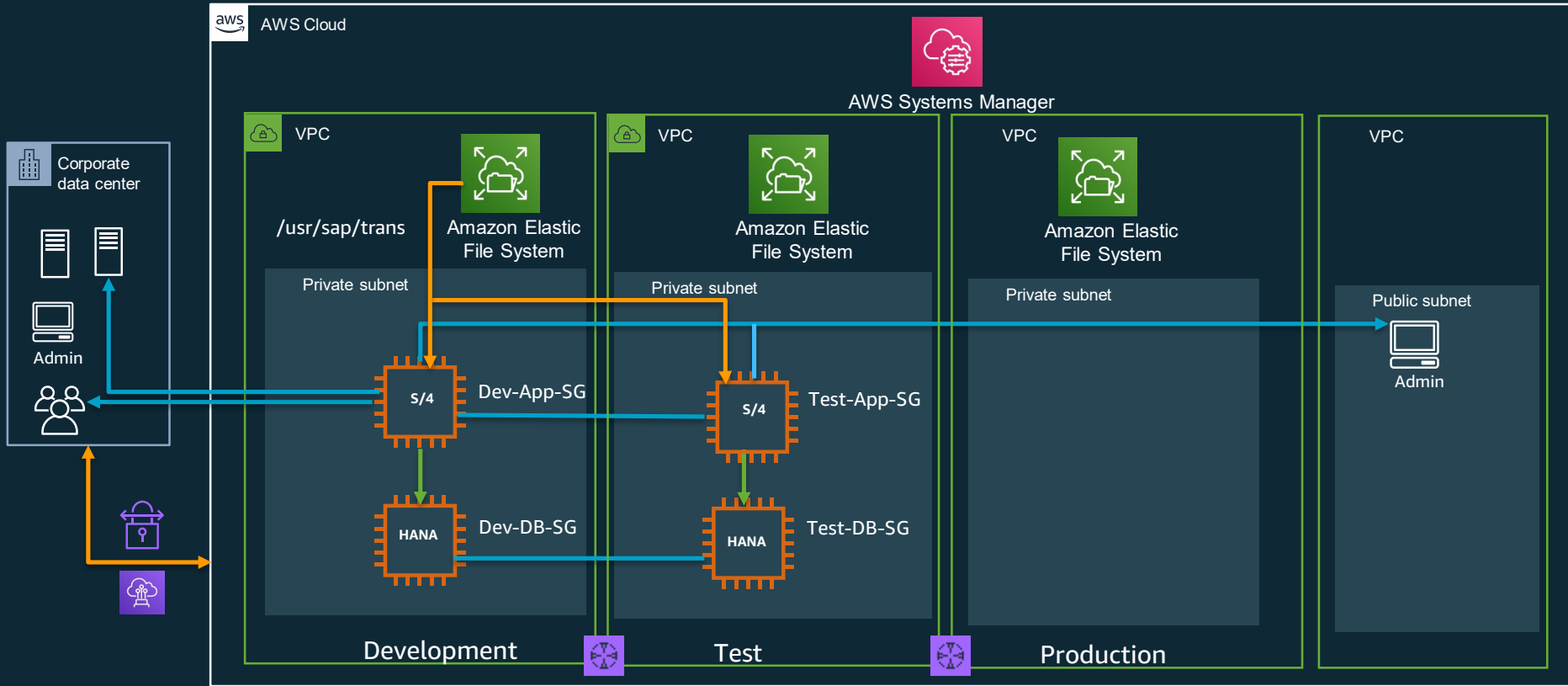
Deploying SAP Landscapes in Single VPC – Launch Wizard



1. Dev System Deployment and Setup

2. Deploy Test with Test Configuration Template, Test SG's and mount existing Transport File System

Deploying SAP Landscapes in Multiple VPC – Launch Wizard



1. Dev System Deployment and Setup

2. Deploy Test with Test Config Template and Test SG's and mount existing Transport File System

AWS Launch Wizard Key Features

- Quickly deploy HANA based SAP landscapes on AWS with minimal knowledge on AWS services for SAP
- SAP Certified AWS Instance recommendation for SAP components based on workload requirements
- Guided experience to avoid deployment errors
- Re-Usable Configuration Templates provide Basis teams Self-Service capability to deploy SAP systems
- SAP/AWS Best Practices
- Cost Estimates
- Supported by AWS Support
- Available in US East(N. Virginia), US West (Oregon), US East (Ohio), US West (Northern California), Canada (Central), Europe (London) , Europe (Stockholm), Europe (Frankfurt), Europe (Paris), Europe (Ireland), Asia Pacific (Sydney), Asia Pacific (Tokyo), Asia Pacific (Seoul), Asia Pacific (Mumbai), Asia Pacific (Singapore), South America (São Paulo), GovCloud (US-West)

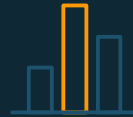
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Microsoft DSC



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Splunk / PowerConnect

New Relic / BindPlane

SAP Solution Manager



AWS CloudTrail



AWS Config



AWS Systems Manager

Thank You!

<https://aws.amazon.com/launchwizard/>