aws Inventering

WIN307

Manage Windows instances at scale with Systems Manager

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Agenda

Presentation 10 minutes

Challenges 1-4 ~25 minutes each

Wrap-up 10 minutes

AWS Systems Manager





Cloud management challenges

Managing cloud and hybrid environments using a traditional toolset is complex and costly









Traditional IT toolset not built for cloud-scale infrastructure

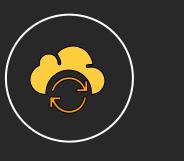
Maintaining enterprise-wide visibility is challenging Deploying multiple products is a significant overhead

Licensing costs and complexity

Customer challenges









Operate safely and securely at scale

Map resources to applications and environments

Diverse set of tools for managing hybrid cloud

Complex licensing and hard to manage the management infrastructure

Ability to build custom solutions to meet specific business needs

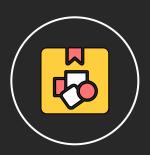
Systems Manager capabilities



Resource Groups



Patch Manager



State Manager



Run Command



Automation



Maintenance Window



Inventory



Parameter Store



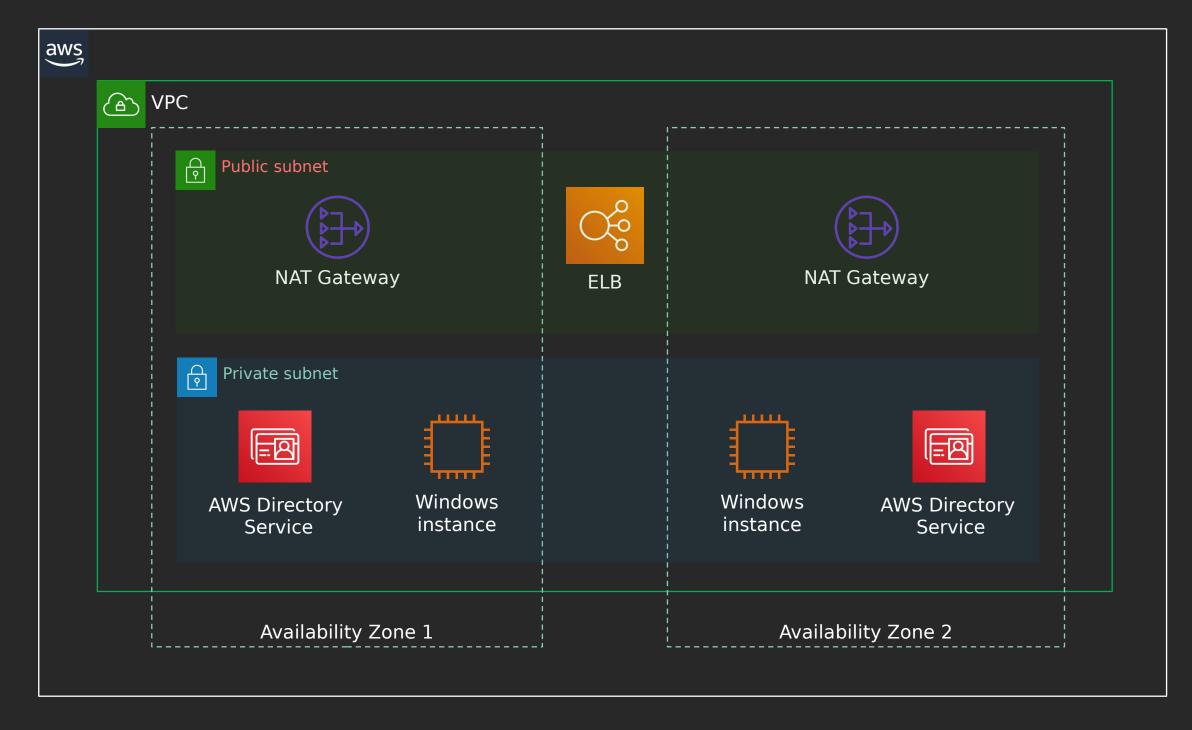
Session Manager

Challenges





Application architecture



The application

<%@ Page Title="" Language="C#"
Trace="true"%>

Request Details

Session Id:4q5d2zjxmstsfgbdbckxnmyhRequest Type:GETTime of Request:9/29/2019 10:34:18 AMStatus Code:200

Request Encoding: Unicode (UTF-8) **Response Encoding:** Unicode (UTF-8)

Trace Information

Category	Message	From First(s)	From Last(s)
aspx.page	Begin PreInit		
aspx.page	End PreInit	0.000012	0.000012
aspx.page	Begin Init	0.000018	0.000007
aspx.page	End Init	0.000024	0.000006
aspx.page	Begin InitComplete	0.000029	0.000005
aspx.page	End InitComplete	0.000034	0.000005
aspx.page	Begin PreLoad	0.000039	0.000005
aspx.page	End PreLoad	0.000044	0.000005
aspx.page	Begin Load	0.000049	0.000005
aspx.page	End Load	0.000056	0.000007
aspx.page	Begin LoadComplete	0.000061	0.000005
aspx.page	End LoadComplete	0.000066	0.000005
aspx.page	Begin PreRender	0.000071	0.000005
aspx.page	End PreRender	0.000077	0.000005
aspx.page	Begin PreRenderComplete	0.000082	0.00006
aspx.page	End PreRenderComplete	0.000088	0.000005
aspx.page	Begin SaveState	0.000105	0.000018
aspx.page	End SaveState	0.000111	0.000005
aspx.page	Begin SaveStateComplete	0.000116	0.000005
aspx.page	End SaveStateComplete	0.000122	0.000007
aspx.page	Begin Render	0.000127	0.000005
aspx.page	End Render	0.000145	0.000018
-			

Challenge #1: Fix the application

1) Use **Systems Manager Session Manager** to log in and find the issue

2) Use **Systems Manager Run Command** to fix the issue

Challenge #2: Automate inventory and patching

1) Use **Systems Manager Inventory** to configure inventory

2) Use Systems Manager Patch Manager to configure patching

Challenge #3: Automate domain join

1) Use **Systems Manager State Manager** to configure domain join

Challenge #4: Create a custom image

1) Create an AMI from one of the instances and put the ID of the new AMI in **Systems Manager Parameter Store**

2) Use **Systems Manager Automation** to create a new AMI every Saturday with the latest patches installed

Workshop





Wrap-up





Thank you!







Please complete the session survey in the mobile app.



