

# Secure your servers in time with JIT and JEA

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SUMMER NIGHT



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# Agenda

What is JIT

What is JEA

Demo - JEA Configuration

Demo - JEA Administrative Endpoints

Wrap up & Questions





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# What is JIT

Privileged Access Management (PAM)

Requirements:

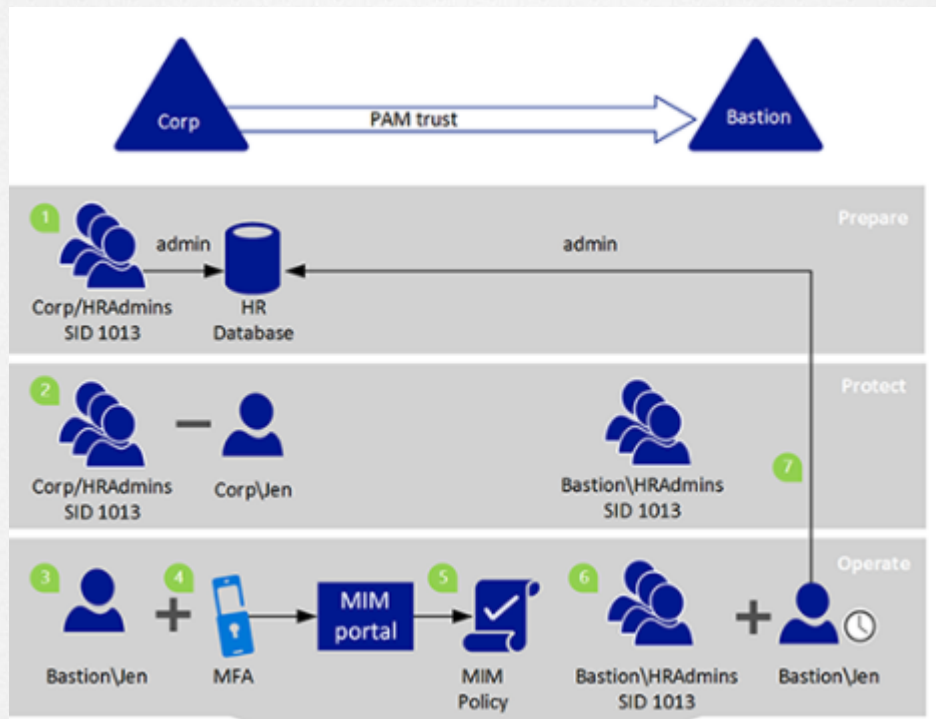
- External forest
- Microsoft Identity Management
- 2012R2 Domain Functional Level
- Azure AD Premium





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# PAM Architecture







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# What is JEA

Just Enough Administration

Secure PowerShell access to critical systems

Reduce the number of Administrators

Extensive logging of Administrator activity





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# Implementing JEA

Deploy and configure pre-requisites

- WMF 5.1
- Enable PowerShell remoting
- Configure PowerShell logging

PowerShell cmdlets to generate configurations





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# JEA Components

- Role Capabilities .psrc
  - Configures capabilities
- Session Configurations .pssc
  - Determines user mapping to roles
- Language modes







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# Demo

Create JEA Configuration





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# Demo summary

Create a Role Capability File

Deploy Role Capability File

Create Configuration File

Register Configuration

Update Role Capability





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# Demo

Create JEA AD Management configuration





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# Demo summary

Create configuration for AD management

Validated security of the configuration

Show the logging capabilities





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# Wrap up

JIT can and should co-exist with current AD

JEA has extensive features

Enable PowerShell logging

More possibilities for automation







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# Questions



Next session 18:00 – 18:45

# Azure Stack; everything you always wanted to know

Mark Scholman & Ruud Borst

