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Smarter systems for a smarter planet:

# System z<sup>®</sup> Forum

Secure and resilient cloud computing  
for the modern enterprise

## Securing Workloads in a System z Cloud

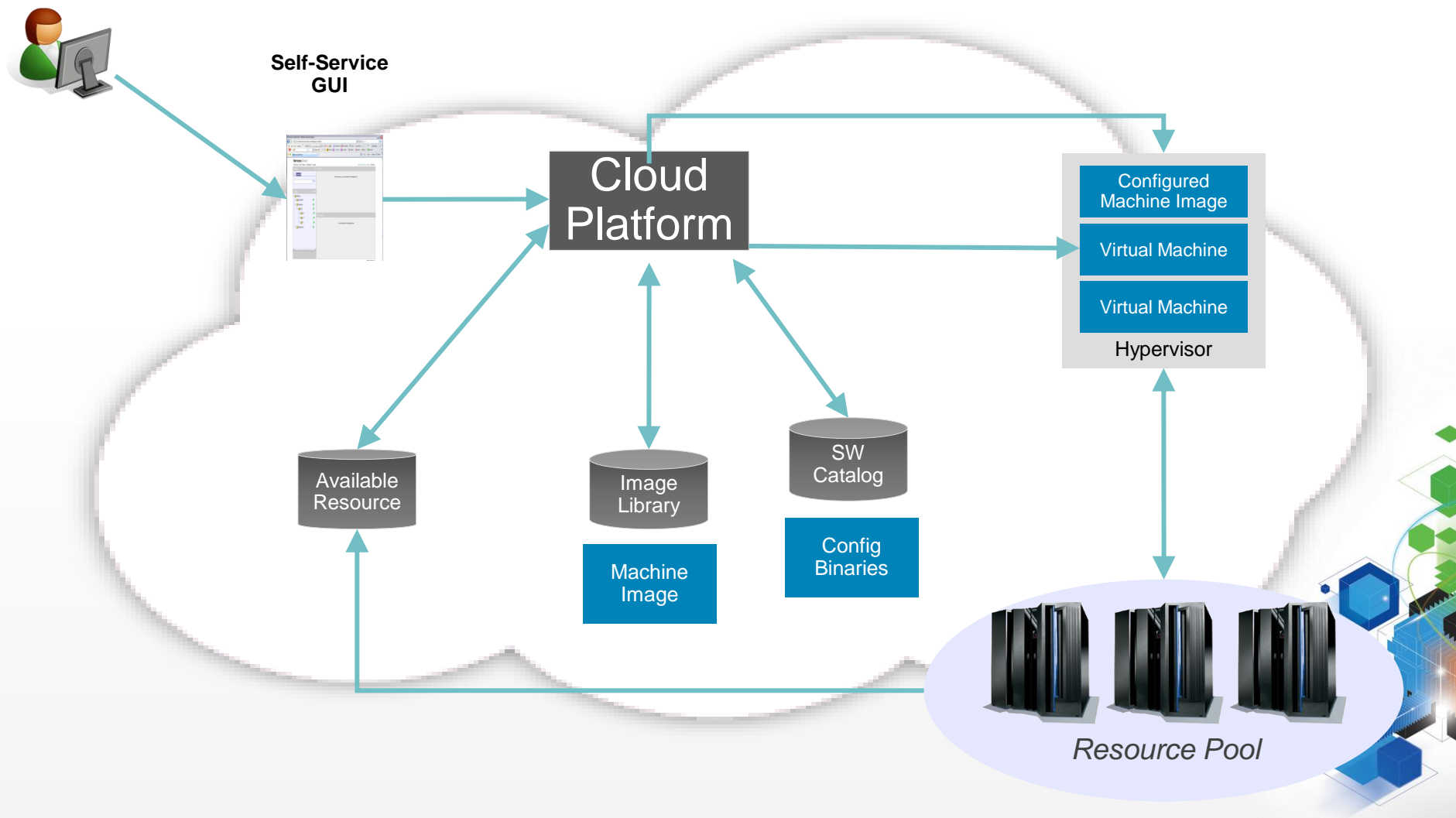
What to expect and how to be prepared

## By the end of this presentation, you will...

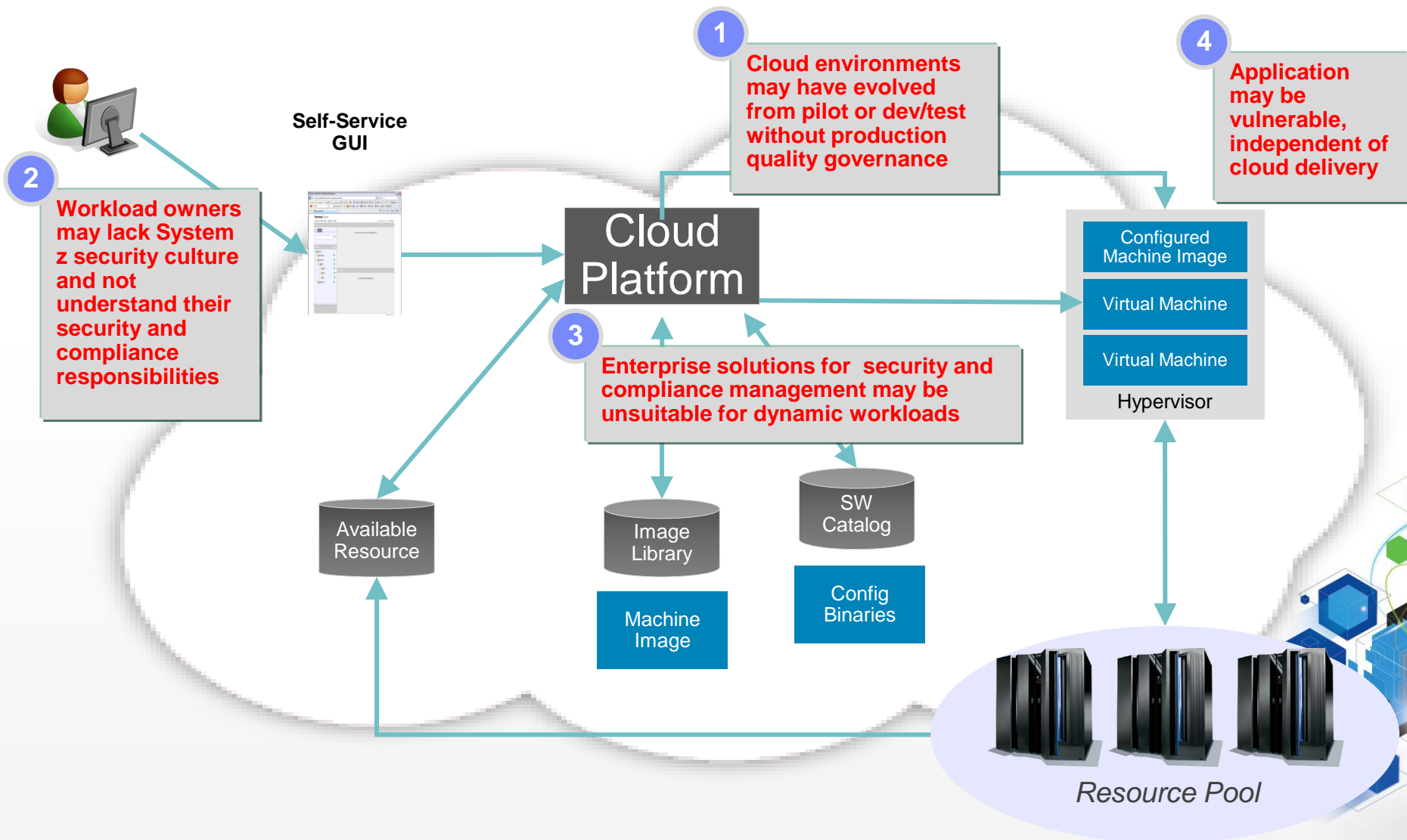
- Understand the new security risks with providing cloud services within an enterprise
- Recognize the need for governance and compliance management for workloads running on the cloud
- Receive an introduction to approaches for securing cloud workloads
- Know how IBM can help



# Scenario: zLinux cloud for enterprise workloads



# Security risks and compliance considerations for workloads running on a System z cloud



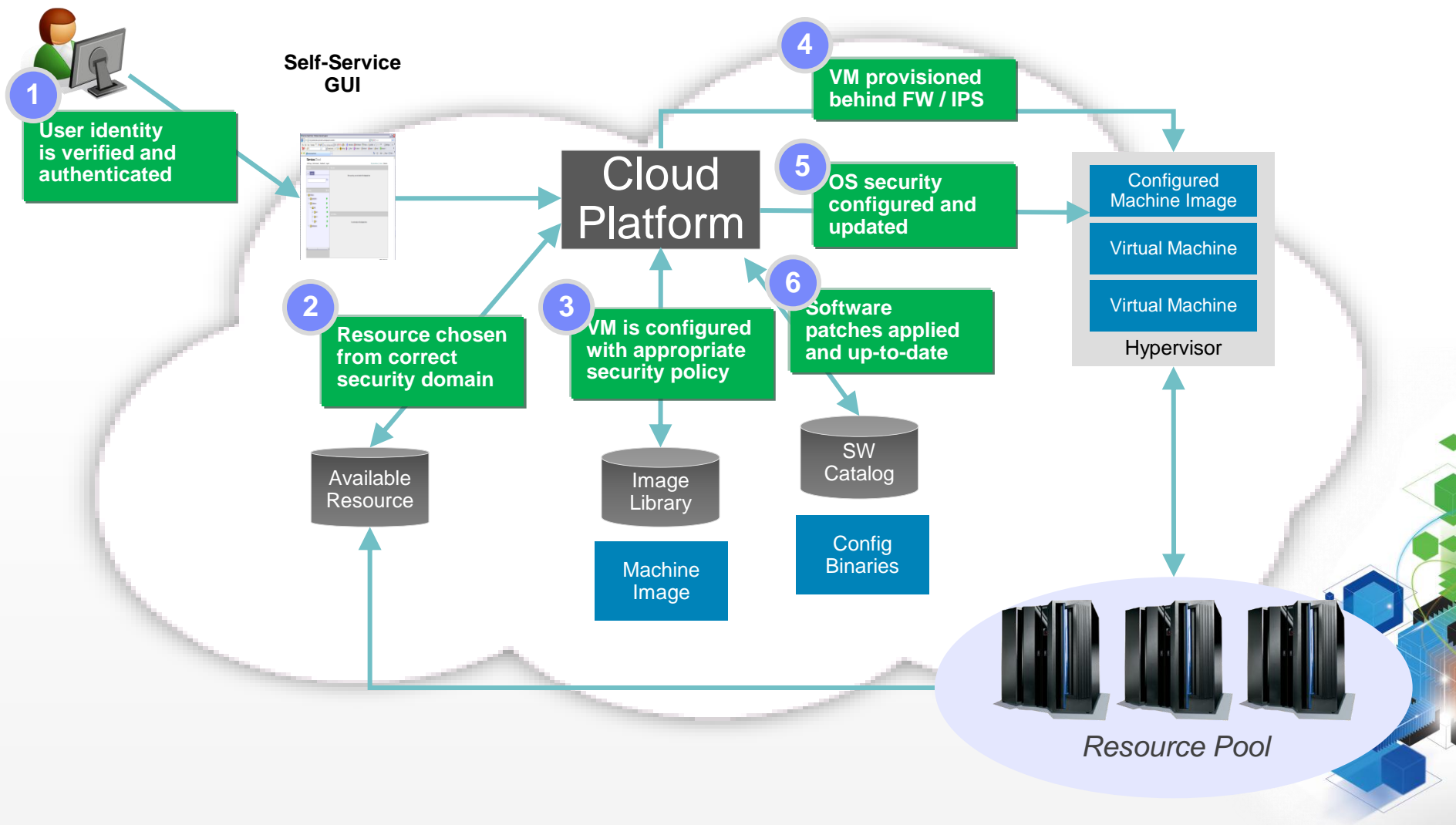
## Solution approaches need to be a combination of people, process and technology

Risk	Potential Solution Approach	How IBM can help
1. Cloud environments may have evolved from pilot or dev/test without production quality governance	Enterprise security policy evolves to be cloud aware, supported by processes and tools	IBM Security Consulting Services for Cloud Security (strategy and roadmap)
2. Workload owners may lack System z security culture and not understand their security and compliance responsibilities	Educate the users of their responsibilities, ongoing not one-time  Simplify those responsibilities through tooling and automation	IBM Security Identity Manager  IBM Tivoli Endpoint Manager family (Patch Management and Security and Compliance)

## Solution approaches need to be a combination of people, process and technology

Risk	Potential Solution Approach	How IBM can help
<p>3. Enterprise solutions for security and compliance management may be unsuitable for dynamic workloads</p>	<p>Cloud workloads are secure when created and automatically kept up to date throughout their lifecycle</p>	<p>IBM Tivoli Endpoint Manager family (Patch Management and Security and Compliance)</p>
<p>4. Application may be vulnerable, independent of cloud delivery</p>	<p>Make the people and processes in the application supply chain security aware by employing a secure software development lifecycle for developed <i>and acquired</i> applications</p>	<p>IBM Security AppScan family (including as a cloud delivered service)</p> <p>IBM Rational Policy Tester – Privacy Edition</p> <p>InfoSphere Guardium family</p>

# Applying security best practices to our scenario



## References

- Redbook: Security for Linux on System z
  - <http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg247728.html?Open>
  
- Solution Brief: Getting started with a cloud on System z can be quick, easy and effective
  - <http://public.dhe.ibm.com/common/ssi/ecm/en/tis14142usen/TIS14142USEN.PDF?CT=ISM0090>
  
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