Securing Microsoft Azure with InsightVM

RAPID7 | **Azure**

INSIGHT INTO THE MODERN NETWORK

In today's modern network, security teams are pushed to defend an increasingly blurred perimeter. Accelerating adoption of infrastructure-as-a-service technology, like Microsoft Azure, compels IT and security teams alike to answer difficult questions such as:

- How do I know what's in my ecosystem when part of my ecosystem consists of assets in Microsoft Azure?
- Will my existing tools and techniques apply when securing assets in Microsoft Azure?

You likely face these questions on a daily basis, and it can be difficult to find answers to rely on. It's even more difficult to determine which capabilities you need in your tools.

In this document, we'll detail how the visibility provided by Rapid7's industry-leading vulnerability assessment solution, InsightVM, can help you answer these questions.

What capabilities work with Microsoft Azure?

When a developer or system administrator can create a virtual machine in Microsoft Azure with nothing more than a credit card and a few clicks, IT and security teams have a difficult time understanding what's in their purview to secure.

To address this, you'll need a few capabilities at ready:

- **Discovery and Assessment of Assets in Microsoft Azure:** You should be able to identify all assets or virtual machines operating within an Azure account.
- **Live Monitoring for Assets in Microsoft Azure:** Because any request for scanning or penetration testing in Azure must be submitted for review and approval, you need a different approach for timely visibility.

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Discovery and Assessment

Rapid7 InsightVM provides capabilities to discover assets and gain visibility into your Azure environment:

Capability	Usage
Asset discovery in Azure	Create a Microsoft Azure Discovery Connection to detect when assets in Azure are spun up, and trigger visibility when you need it using Adaptive Security. Automatically synchronize tags from Azure to understand the business context of virtual machines. Maintain freshest inventory with the automated cleanup of assets. Deploy an InsightVM Scan Engine directly from the Azure Marketplace to discover assets from within Azure, controlled by your own Security Console.
Vulnerability assessment in Azure	Execute a vulnerability scan using the scan engine deployed within Azure.
Policy and compliance assessment in Azure	Execute a policy scan using the scan engine deployed within Azure.

Live Monitoring

Obtaining authorization to scan from Microsoft is manual at best, and at worst, impractical. When time is of the essence and visibility cannot wait for authorization, the Rapid7 Insight Agent provides the following capabilities:

Capability	Usage
Azure Security Center integration	Automate the mass deployment of the Insight Agent across all of your Azure virtual machines. Ensure complete coverage by having the agent installed on each new Azure instance that is spun up (optional). View your vulnerability assessment data in both Azure and InsightVM.
Asset discovery	Deploy a Rapid7 Insight Agent to virtual machines—those already existing, or templates. Assets are discovered and visible to Rapid7 as the machine powers on. Each Rapid7 Insight Agent is identified uniquely to the instance of the machine when it runs.
Vulnerability assessment	Deploy a Rapid7 Insight Agent to virtual machines—those already existing, or templates. Assets are assessed for vulnerabilities as the machine powers on. Each Rapid7 Insight Agent is identified uniquely to the instance of the machine when it runs.

Frequently Asked Questions

Which Rapid7 products support Microsoft Azure?	InsightVM and InsightIDR (Azure Active Directory)
Where do I get the Rapid7 Insight Agent?	The Rapid Insight Agent is available to all InsightVM customers, and may be downloaded directly from the Agents cards within the product.
Can I deploy Rapid7 vulnerability assessment products to Microsoft Azure?	Yes. All components of Rapid7 vulnerability assessment products mentioned in this document may be deployed on-premises or to Microsoft Azure.
Do I need to purchase any licenses or pay any fees?	No. If you are a Rapid7 customer, there are no additional costs associated with use of our products to secure your Microsoft Azure environment.
Can I report on both on-premises and Microsoft Azure scans from one common console?	Yes. All data is available for review in a single console for dashboards and out-of-the-box and custom reporting.

Ready to get started?

Learn why Rapid7 InsightVM is the vulnerability assessment solution built for modern environments at www.rapid7.com/insightvm.

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