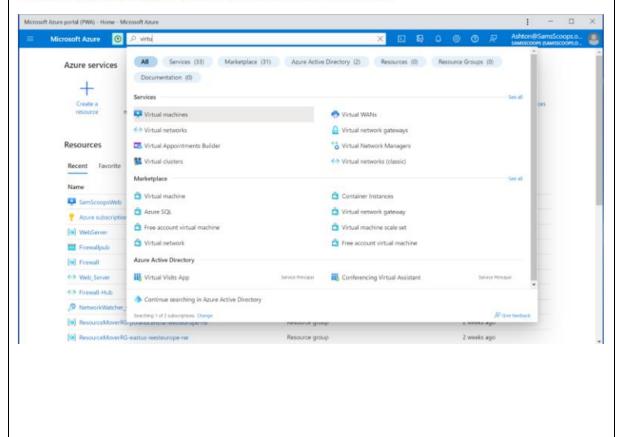
Step 1: Enable Azure Defender for cloud

This is a free 30-day trial that converts to a paid for subscription after the 30 days.

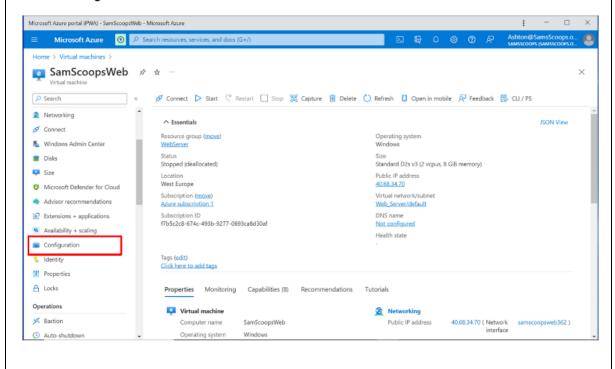
1. From the Azure home page , search for and select Virtual machines.



2. Select the SamScoopsWeb virtual machine. : - 🗆 × Microsoft Azure portal (PWA) - Virtual machines - Microsoft Azure Virtual machines 🔅 ... 🕂 Create 🗸 Z Switch to classic 🕚 Reservations 🗸 🗐 Manage view 🗸 🖒 Refresh 🞍 Export to CSV 😚 Open query 📗 🖗 Assign tags 👂 Start 🛴 Restart 🔲 Stop ... Filter for any field... Subscription equals Azure subscription 1 Type equals all Resource group equals all X Location equals all X 47 Add filter No grouping ✓ ≡≡ List view ✓ Showing 1 to 1 of 1 records. Type ↑↓ Subscription ↑↓ Resource group ↑↓ Location ↑↓ Status ↑↓ Operating system ↑↓ Size ↑↓

Virtual machine Azure subscription 1 WebServer West Europe Stopped (deallocated) Windows Standard_D2s_v3 Name ↑↓ SamScoopsWeb < Previous Page 1 V of 1 Next > Ā Give feedback

3. Select Configuration from the left-hand side menu.



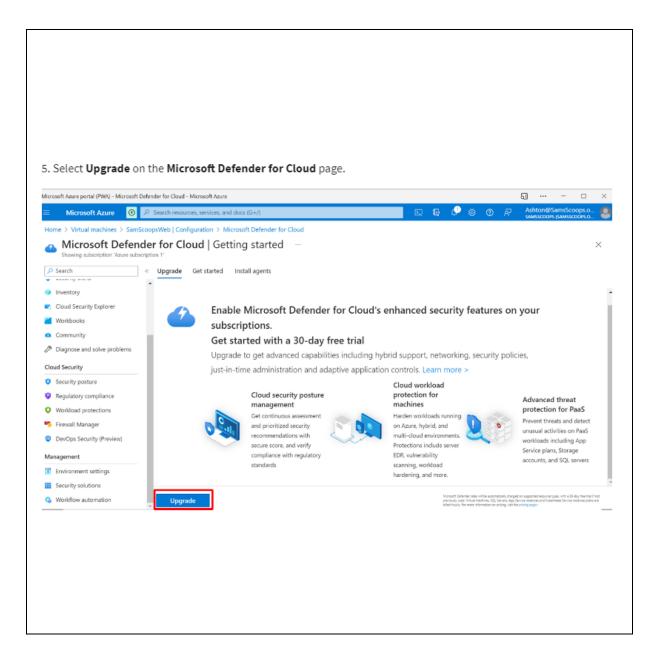
4. Select Upgrade your Microsoft Defender for Cloud subscription to enable a just-in-time access. Microsoft Azure portal (PWA) - SamScoopsWeb - Microsoft Azure a ... -■ Microsoft Azure

②

P Search resources, services, and docs (G+/ Home > Virtual machines > SamScoopsWeb SamScoopsWeb | Configuration 🔅 … Virtual machines + Create ✓

Switch to classic ··· ☐ Save
☐ Discard Overview Just-in-time VM access Activity log Name ↑↓ To improve security, enable just-in-time VM access Upgrade your Microsoft Defender for Cloud subscription to enable a just-in-time access Access control (IAM) SamScoopsWeb Tags Diagnose and solve problems A just-in-time access enables you to lock down inbound traffic to your VM by allowing access for only a limited time. The just-in-time feature is available as part of the Microsoft Defender for Cloud standard tier.

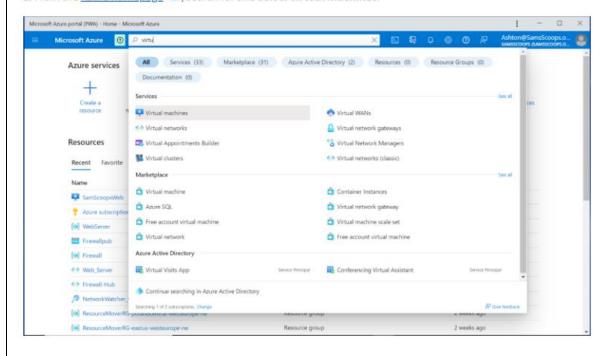
Learn more about just-in-time access 0' Settings Networking Save up to 49% with a license you already own using Azure Hybrid Benefit. Learn more of Mindows Admin Center Would you like to use an existing Windows Server license? ① Yes
No Disks Review Azure hybrid benefit compliance 🖰 Microsoft Defender for Cloud Proximity placement group Advisor recommendations Proximity placement group ① Extensions + applications Availability + scaling < Page 1 V of 1 > Configuration





Step 2: Enable JIT access

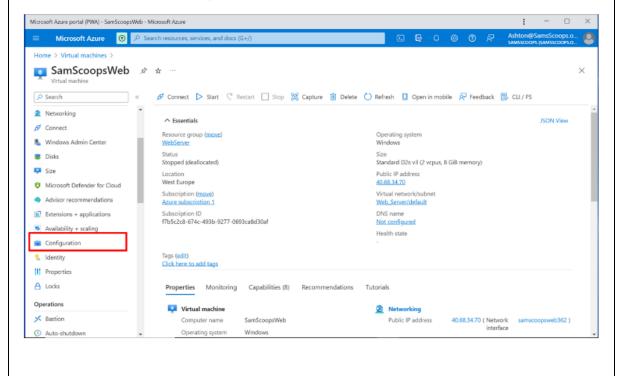
1. From the Azure homepage , search for and select Virtual machines.



2. Select the SamScoopsWeb virtual machine. Microsoft Azure portal (PWA) - Virtual machines - Microsoft Azure : - 🗆 × ■ Microsoft Azure ① ✓ Search resources, services, and docs (G+/) Virtual machines 💉 ... 🕂 Create 🗸 🕏 Switch to classic 🕚 Reservations 🗸 🥮 Manage view 🗸 🖒 Refresh 👲 Export to CSV 💝 Open query 📗 🗇 Assign tags 🗅 Start 🦿 Restart 🔲 Stop ... Filter for any field... Subscription equals Azure subscription 1 Type equals all Resource group equals all X Location equals all X Showing 1 to 1 of 1 records. No grouping ∨ ≡≡ List view ∨ Type ↑↓ Subscription ↑↓ Resource group ↑↓ Location ↑↓ Status ↑↓ Operating system ↑↓ Size ↑↓

Virtual machine Azure subscription 1 WebServer West Europe Stopped (deallocated) Windows Standard_D2s_v3 Name 1. SamScoopsWeb < Previous Page 1 V of 1 Next > ₽ Give feedback

3. In the left-hand menu, select Configuration.



4. Select Enable just-in-time. **a** ... − □ × Microsoft Azure portal (PWA) - SamScoopsWeb - Microsoft Azure Microsoft Azure

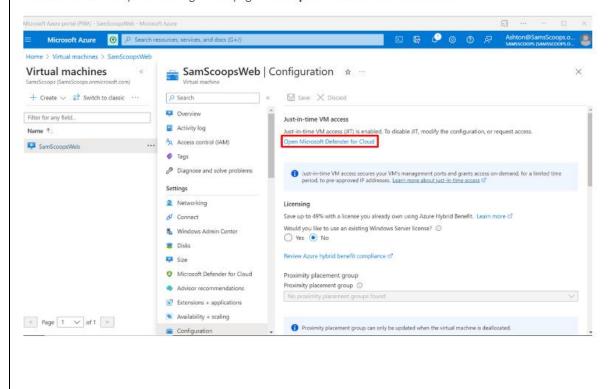
①

Search resources, services, and docs (G+/) Home > Virtual machines > SamScoopsWeb SamScoopsWeb | Configuration 🖈 … Virtual machines + Create ✓ ₹ Switch to classic ··· ☐ Save

☐ Discard Overview Filter for any field... Just-in-time VM access Activity log Name ↑↓ o improve security, enable a just-in-time access. Access control (IAM) SamScoopsWeb Tags Just-in-time VM access secures your VM's management ports and grants access on-demand, for a limited time period, to pre-approved IP addresses. Learn more about just-in-time access of Diagnose and solve problems Save up to 49% with a license you already own using Azure Hybrid Benefit. Learn more of Would you like to use an existing Windows Server license? ①
Yes
No Disks Size Review Azure hybrid benefit compliance G* Microsoft Defender for Cloud Proximity placement group Advisor recommendations Proximity placement group ① Extensions + applications Availability + scaling < Page 1 V of 1 > Configuration Proximity placement group can only be updated when the virtual machine is deallocated.

Step 3: Configure JIT policies for SSH and RDP from Microsoft Defender for Cloud

1. From the SamScoopsWeb Configuration page select Open Microsoft Defender for Cloud.



2. From the **Configured** tab, right-click on the VM to which you want to add a port, and select **edit**. Microsoft Azure portal (PWA) - Just-in-time VM access - Microsoft Azure Microsoft Azure

O Search resources, services, and docs (G+/ Home > Virtual machines > SamScoopsWeb | Configuration > Just-in-time VM access 👒 … $\,>\,$ What is just-in-time VM access? > How does it work? Virtual machines Configured Not Configured Unsupported $VMs \ for \ which \ the \ just-in-time \ VM \ access \ control \ is \ already \ in \ place. \ Presented \ data \ is \ for \ the \ last \ week.$ Request access 1 vms Search to filter items... Virtual machine $\uparrow \downarrow$ Approved ↑↓ Last access ↑↓ Connection details Last user ↑↓ SamScoops\Web O.Requests Properties Activity Log 0 Edit Remove

3. To add SSH select Add and add the port number for SSH which is 22. a ... - □ × Microsoft Azure portal (PWA) - JIT VM access configuration - Microsoft Azure ∑ I

√ ∅ ∅ Ø

Ashton@Sa

salescopes

salescopes Home > Virtual machines > SamScoopsWeb | Configuration > Just-in-time VM access > JIT VM access configuration + Add ☐ Save × Discard Configure the ports for which the just-in-time VM access will be applicable Allowed source IPs IP range Time range (hours) Protocol Per request

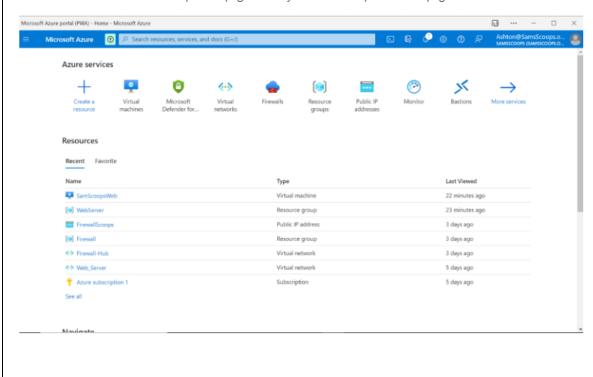
4. Select **TCP** and leave the defaults. 5. Select OK. Microsoft Azure portal (PWA) - Add port configuration - Microsoft Azure Ø ... - □ × Home > Virtual machines > SamScoopsWeb | Configuration > Just-in-time VM access > Add port configuration × JIT VM access configuration Port * [22] + Add 🔚 Save 🗙 Discard Any TCP UDP Allowed source IPs
Per request Configure the ports for which the just-in-time VM access will be applicable IP range Allowed source IPs

Per request CIDR block Max request time -0-----Discard OK

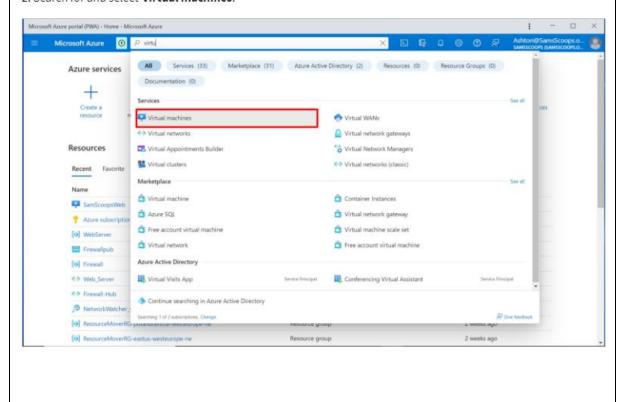


Step 4: Test remote access

1. Select Microsoft Azure at the top of the page to take you back to the portal home page.



2. Search for and select Virtual machines.



3. Select the SamScoopsWeb virtual machine. : - - × Microsoft Azure portal (PWA) - Virtual machines - Microsoft Azure □ 🖟 □ ⊚ ② 🖟 Ashton@SamsScoops.o.. 🎂 Virtual machines 🗷 ---+ Create 🗸 Z Switch to classic 🕚 Reservations 🗸 🔞 Manage view 🗸 🖰 Refresh 🞍 Export to CSV 💖 Open query 📗 🖗 Assign tags 👂 Start 🛴 Restart 🛄 Stop … Filter for any field... Subscription equals Azure subscription 1 Type equals all Resource group equals all X Location equals all X 👆 Add filter No grouping ✓ ≡≡ List view ✓ Showing 1 to 1 of 1 records.
 Name ↑:
 Type ↑↓
 Subscription ↑↓
 Resource group ↑↓
 Location ↑↓

 Image: SamScoopsWeb
 Virtual machine
 Azure subscription 1
 WebServer
 West Europe
 Status $\uparrow \downarrow$ Operating system $\uparrow \downarrow$ Size $\uparrow \downarrow$ West Europe Stopped (deallocated) Windows Standard_D2s_v3 < Previous Page 1 V of 1 Next > Give feedback

4. Select Start to power on virtual machine from top of page. Microsoft Azure portal (PWA) - SamScoopsWeb - Microsoft Azure Home > Virtual machines > 💌 SamScoopsWeb 👒 🔅 … Virtual machines + Create V = Switch to classic ··· Ø Connect ▷ Start ○ Restart □ Stop 図 Capture 📵 Delete 🖒 Refresh · · · Overview . Advisor (1 of 5): Virtual machines should encrypt temp clicks, caches, and data flows between Compute and
 Storage recovers. Name ↑. SamScoopsWeb Tags Resource group (move) WebServer Operating system Windows Diagnose and solve problems Settings Standard D2s v3 (2 vcpus, 8 GiB memory) Stopped (deallocated) Networking West Europe 51.124.205.99 Subscription (move) Azure subscription 1 Virtual network/subnet Web_Server/default Windows Admin Center Subscription ID f7b5c2c8-674c-493b-9277-0693ca8d30af DNS name Not configured Disks Size Health state Microsoft Defender for Cloud Tags (edit) Click here to add tags Extensions + applications Properties Monitoring Capabilities (8) Recommendations (5) Tutorials < Page 1 V of 1 > Configuration

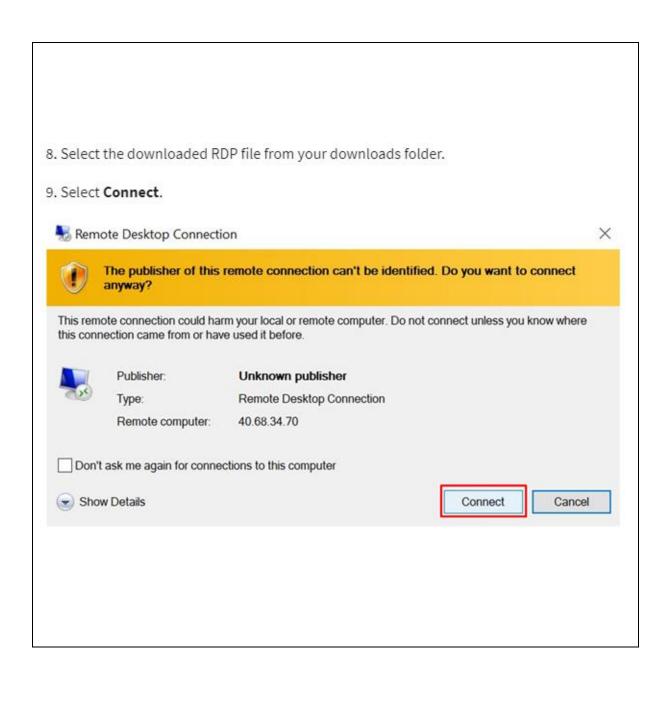
5. Select Connect from the left-hand menu. ■ Microsoft Azure

①

Description Search resources, services, and docs (G+/) Home > Virtual machines > 📭 SamScoopsWeb 📝 🖈 😁 Virtual machines imsScoops (SamsScoops.onmicrosoft.com) ∠ Search + Create ∨ ≠ Switch to classic ··· Overview 1 Advisor (1 of S): Virtual machines should encrypt temp clisks, caches, and data flows between Compute and Name ↑. SamScoopsWeb Resource group (<u>move</u>) <u>WebServer</u> Operating system Windows (Windows Server 2016 Datacenter) Diagnose and solve problems Status Settings Standard D2s v3 (2 vcpus, 8 GiB memory) Running Location West Europe Public IP address 51.124.205.99 Networking Subscription (move) Virtual network/subnet Windows Admin Center Subscription ID f7b5c2c8-674c-493b-9277-0693ca8d30af DNS name Not configured Disks Size Health state Microsoft Defender for Cloud Tags (edit) Click here to add tags Advisor recommendations Extensions + applications Properties Monitoring Capabilities (8) Recommendations (5) Tutorials Availability + scaling < Page 1 V of 1 > Configuration

6. Select Request access. Microsoft Azure portal (PWA) - SamScoopsWeb - Microsoft Azure Home > Virtual machines > SamScoopsWeb SamScoopsWeb | Connect * Virtual machines + Create ∨ ≠ Switch to classic ··· ∠ Search 1 This VM has a just-in-time access policy. Select "Request access" before connecting. Overview Connect with KDP Filter for any field... Activity log Suggested method for connecting Access control (IAM) SamScoopsWeb Azure has checked the status for the most common prerequisites when connecting using this method. Tags Port prerequisite not met. Add an inbound network security group rule with destination port Learn more Diagnose and solve problems ▼ The VM's network interface has a Public IP address. Learn more □ Settings The VM is running. Networking You need to request access to connect to your virtual machine. Select an IP address, optionally change the port number, and select "Request access". Learn more IP address * Windows Admin Center Public IP address (51.124.205.99) Port number * 3389 Microsoft Defender for Cloud Source IP ① Advisor recommendations My IP Other IP/IPs All configured II Extensions + applications Availability + scaling < Page 1 V of 1 > Configuration

7. Select Download RDP file. Microsoft Azure portal (PWA) - SamScoopsWeb - Microsoft Azure Home > Virtual machines > SamScoopsWeb Request approved Virtual machines Access to SamScoopsWeb on port 3389 from the selected IPs has been approved. + Create 🗸 🔁 Switch to classic … Access approved on port 3389 from the selected IPs. You can now connect. Overview Connect with KUP Filter for any field... Suggested method for connecting Activity log Name 1 Access control (IAM) SamScoopsWeb Azure has checked the status for the most common prerequisites when connecting using this method. Tags 8 Port prerequisite not met. Add an inbound network security group rule with destination port. Learn more Diagnose and solve problems The VM's network interface has a Public IP address. Learn more Of Settings The VM is running. Networking Just-in-time access approved. To connect to your virtual machine via RDP, download the RDP file. Ø Connect IP address * Windows Admin Center Public IP address (51.124.205.99) Port number Size Microsoft Defender for Cloud Source IP ① My IP Other IP/IPs All configured IPs Advisor recommendations Extensions + applications Download RDP File Nailability + scaling < Page 1 V of 1 > Configuration



10. Enter the username AzAdmin and the password P@\$\$@1234567 and select OK	ζ.
Windows Security	×
Enter your credentials	
These credentials will be used to connect to 40.68.34.70.	
AzAdmin	
••••••	
Remember me	
More choices	
OK Cancel	

You have now connected to the webserver using JIT access and you should see a window like the one below. SamScoopsWeb (2) - 51.124.205.99:3389 - Remote Desktop Connection - D X WELCOME TO SERVER MANAGER ■ Local Server All Servers Configure this local server ■ File and Storage Services Þ 2 Add roles and features 3 Add other servers to manage 4 Create a server group 5 Cannect this server to cloud services ROLES AND SERVER GROUPS Roles 1 | Server groups 1 | Servers total: 1 File and Storage Services Local Server All Servers Manageability Manageability Manageability Events 2. Services Performance 2 Services BPA results Performance Performance