




Getting started with Azure backup for on-premises data protection



Gold
Microsoft Partner



Westcoast recommends Microsoft® products



Losing crucial data can be a very expensive problem for businesses. Precious customer information, financial records or active projects can all vanish in the event of a server error or business disaster.

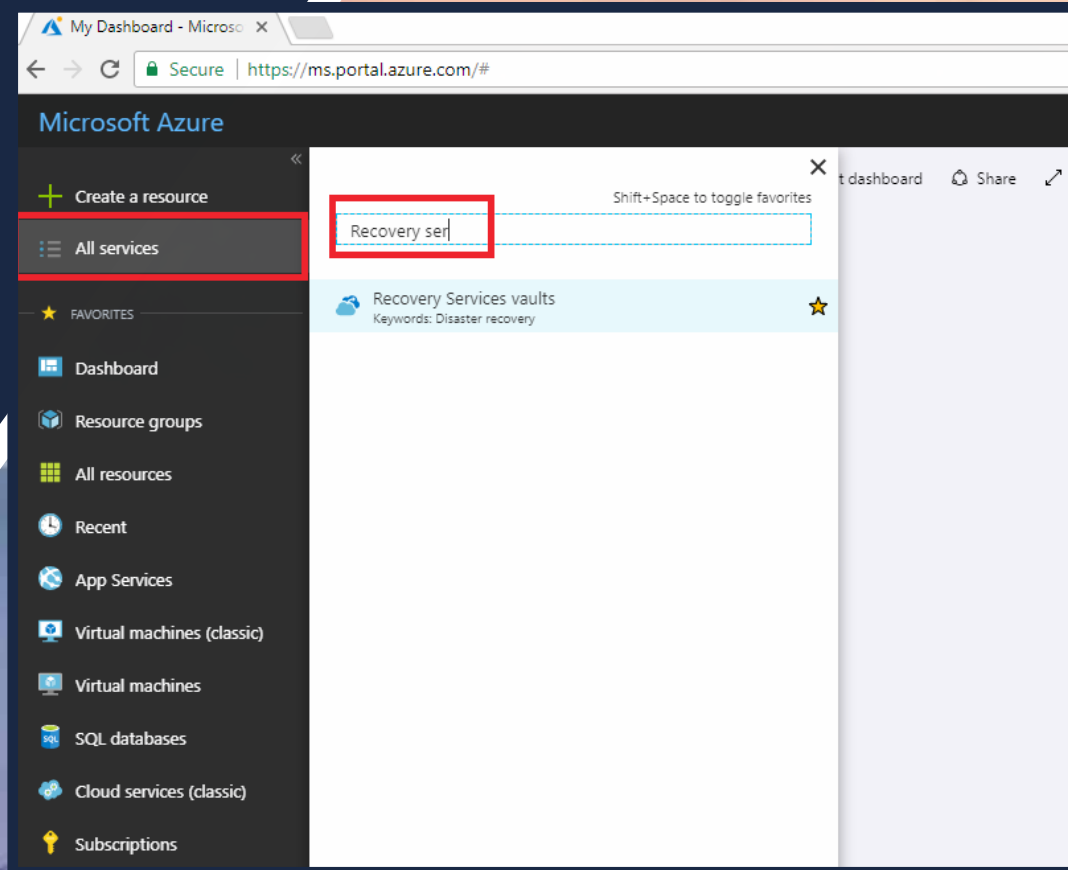
Fortunately, with Azure, precious data stored in on-premises servers can be secured, so when the worst happens, a business doesn't lose everything.

HERE'S HOW TO PROTECT DATA:

STEP 1 – BACKING UP DATA

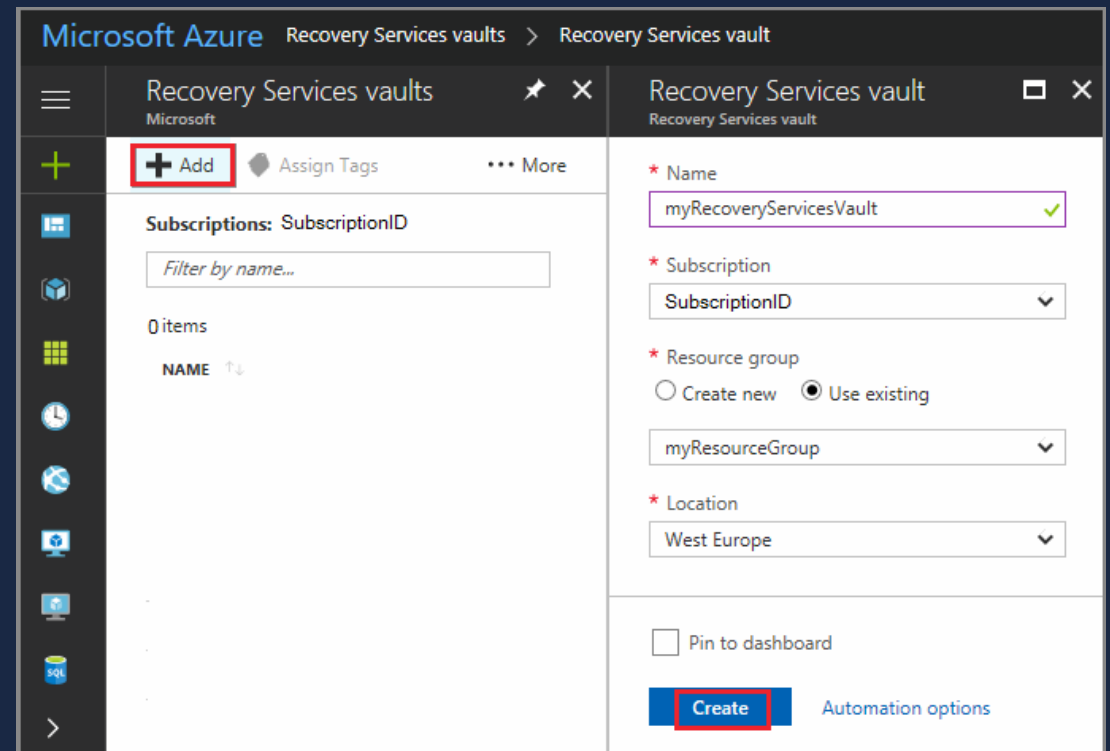
ONE

Within your Azure resource, click on 'Recovery services vaults' within the left pane menu.



TWO

Select 'Add', then provide a name and select a subscription from the dropdown box. You will then need to select a resource group, or create a new one, along with the location you'd like the backup stored. When you're happy, click 'Create'.



The screenshot displays the Microsoft Azure portal interface for creating a Recovery Services vault. The left pane shows the 'Recovery Services vaults' section with the '+ Add' button highlighted in a red box. The right pane shows the configuration form for a new vault, with the 'Create' button at the bottom highlighted in a red box. The form fields are as follows:

- Name:** myRecoveryServicesVault
- Subscription:** SubscriptionID
- Resource group:** myResourceGroup (Selected: Use existing)
- Location:** West Europe
- Pin to dashboard:**
- Automation options:** (Link)



THREE

Name your new backup policy, then select the retention scheduled, on a daily, weekly, monthly or yearly interval. You will also need to select how long backups will be stored before they are overwritten. We'd advise having at least two copies of a backup, to reduce the risk of data corruption.

The screenshot shows the Azure Backup configuration interface. On the left is a navigation pane with options like Overview, Activity log, Access control (IAM), Tags, and Settings. The main area is titled "Welcome to Azure Backup" and contains several sections:

- Recovery Services vault:** Includes "Create new" and "Select existing" radio buttons, and a dropdown menu for "NewBackupVault".
- Resource group:** A dropdown menu showing "DRExample".
- Choose backup policy:** A dropdown menu showing "(new) DailyPolicy".
- BACKUP FREQUENCY:** Set to "Daily at 03:00 UTC".
- Instant Restore:** "Retain instant recovery snapshot(s) for 2 day(s)".
- RETENTION RANGE:** "Retention of daily backup point" is set to "Retain backup taken every day at 03:00 for 180 Day(s)".

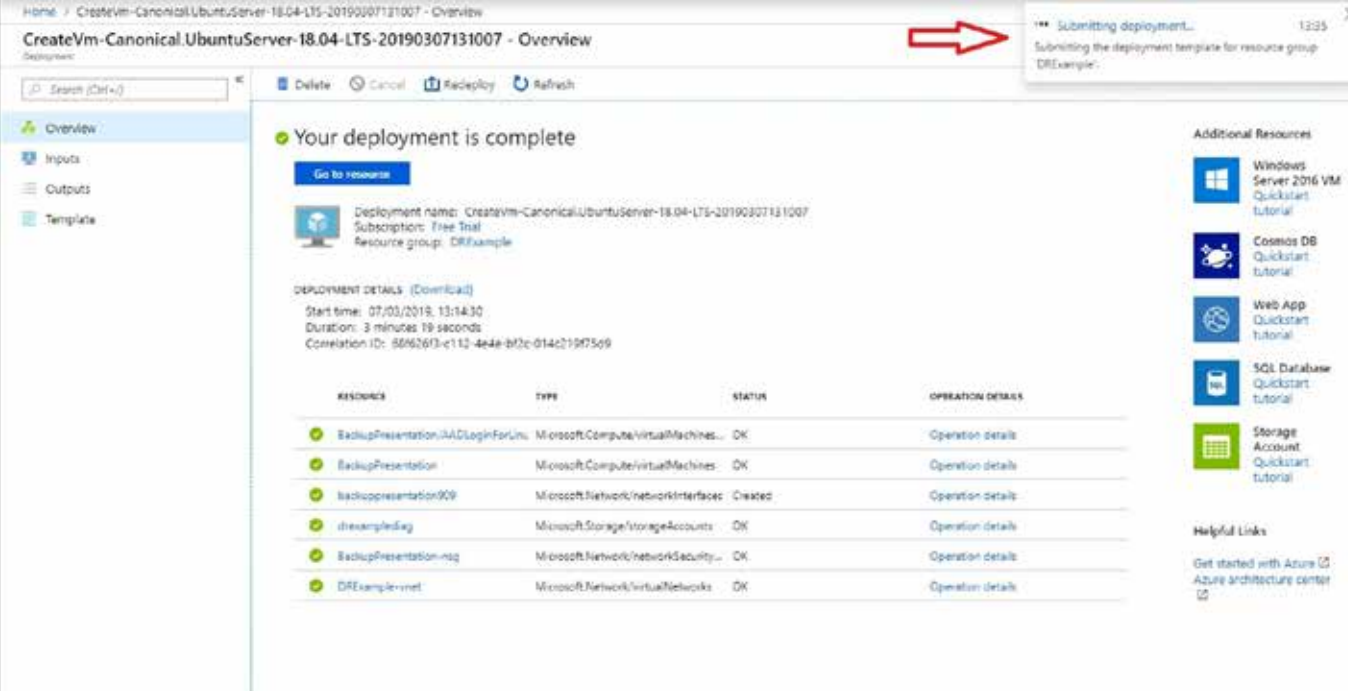
On the right side, there are detailed settings for the "DailyPolicy":

- Backup schedule:** Frequency is "Daily", Time is "03:00", and Timezone is "(UTC) Coordinated Universal Time".
- Retention range:** Includes checkboxes for "Retention of daily backup point", "Retention of weekly backup point", "Retention of monthly backup point", and "Retention of yearly backup point".
- Week Based / Day Based:** Radio buttons for selecting the retention period.
- Monthly settings:** "On" is "Sunday", "At" is "03:00", "For" is "4", and "Unit" is "Week(s)".
- Yearly settings:** "On" is "First", "Day" is "Sunday", "At" is "03:00", "For" is "12", and "Unit" is "Month(s)".

At the bottom of the main configuration area, there is a blue "Enable Backup" button.

FOUR

When you're happy, press 'Deploy'.
You should receive a notification that confirms the operation is in progress.



Home > CreateVm-Canonical.Ubuntu.Server-18.04-LTS-20190307131007 - Overview

CreateVm-Canonical.Ubuntu.Server-18.04-LTS-20190307131007 - Overview

Search (Ctrl+F)

Delete Cancel Redeploy Refresh

Your deployment is complete

[Go to resource](#)

Deployment name: CreateVm-Canonical.Ubuntu.Server-18.04-LTS-20190307131007
Subscription: Free Trial
Resource group: DRExample

DEPLOYMENT DETAILS (Download)

Start time: 07/03/2019, 13:14:30
Duration: 3 minutes 19 seconds
Correlation ID: 866626f3-e112-4e4a-bf2e-d14c219f75e9

RESOURCES	TYPE	STATUS	OPERATION DETAILS
BackupPresentation-VMLoginForLin...	Microsoft.Compute/virtualMachines...	OK	Operation details
BackupPresentation	Microsoft.Compute/virtualMachines...	OK	Operation details
backuppresentation909	Microsoft.Network/networkInterfaces	Created	Operation details
drExampleIag	Microsoft.Storage/storageAccounts	OK	Operation details
BackupPresentation-nsg	Microsoft.Network/networkSecurity...	OK	Operation details
DRExample-vnet	Microsoft.Network/virtualNetworks	OK	Operation details

Additional Resources

- Windows Server 2016 VM Quickstart tutorial
- Cosmos DB Quickstart tutorial
- Web App Quickstart tutorial
- SQL Database Quickstart tutorial
- Storage Account Quickstart tutorial

Helpful Links

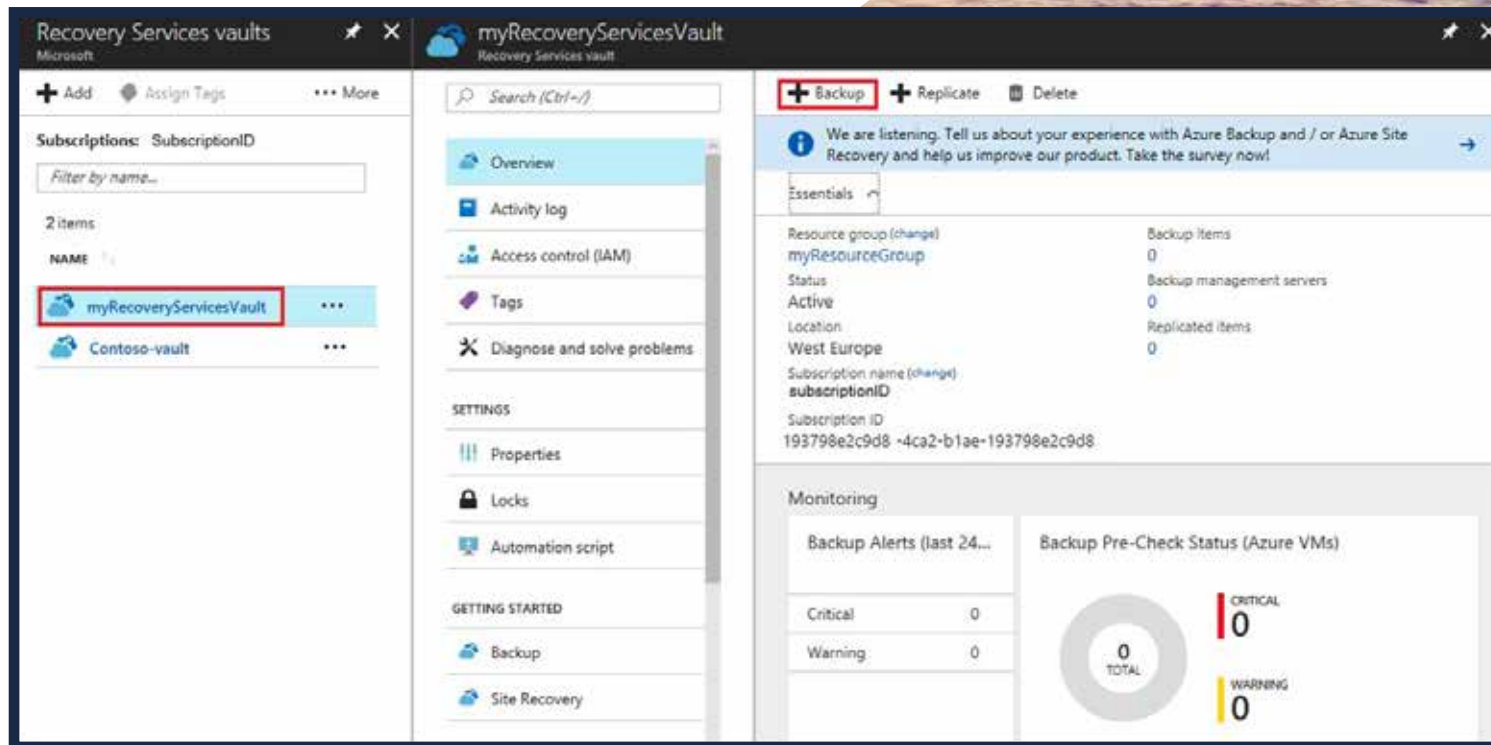
- [Get started with Azure](#)
- [Azure architecture center](#)

Notification: Submitting deployment...
Submitting the deployment template for resource group DRExample.

STEP 2 – RECOVERING DATA

FIVE

Within the recovery services vaults section of Azure, click 'Backup' in the top navigation bar.



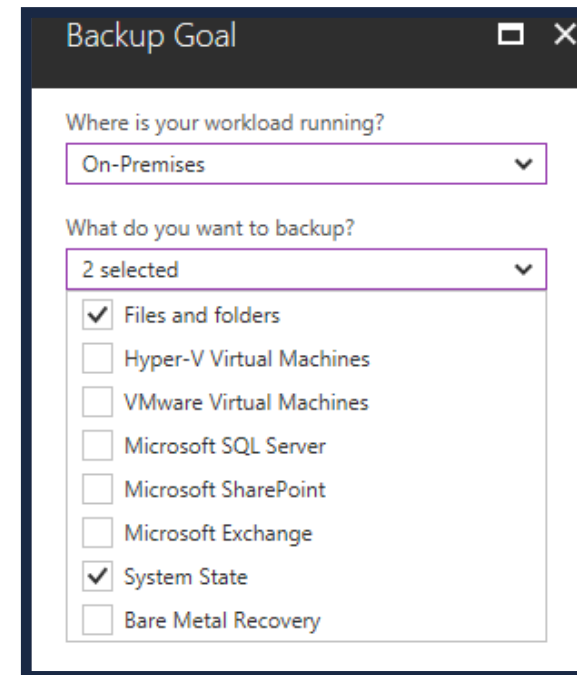
The screenshot displays the Azure Recovery Services vault interface. The top navigation bar includes '+ Add', 'Assign Tags', and 'More'. The left sidebar shows a list of vaults, with 'myRecoveryServicesVault' highlighted. The main content area shows the vault's overview, including a search bar, navigation menu (Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems), settings (Properties, Locks, Automation script), and getting started options (Backup, Site Recovery). The 'Backup' option is highlighted in the top navigation bar. The main content area also displays a survey notification, a table of essentials (Resource group, Status, Location, Subscription name, Subscription ID), and a monitoring section with Backup Alerts and Backup Pre-Check Status (Azure VMs).

Resource group (change)	Backup items
myResourceGroup	0
Status	Backup management servers
Active	0
Location	Replicated items
West Europe	0
Subscription name (change)	
subscriptionID	
Subscription ID	
193798e2c9d8-4ca2-b1ae-193798e2c9d8	

Backup Alerts (last 24...)	Backup Pre-Check Status (Azure VMs)
Critical: 0	0 TOTAL CRITICAL: 0 WARNING: 0
Warning: 0	

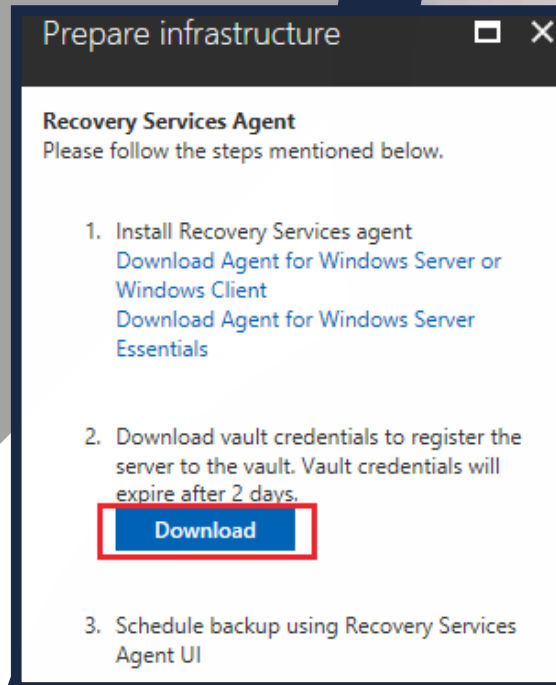
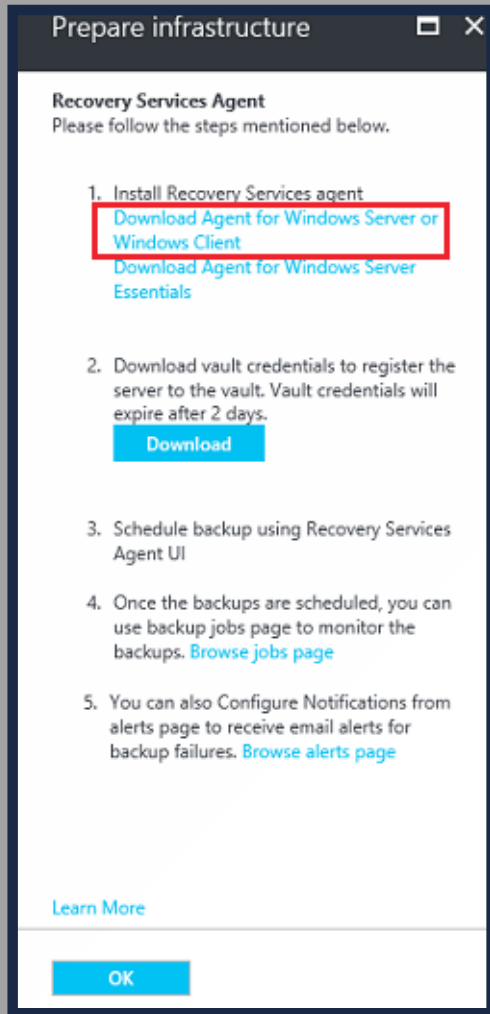
SIX

Within the now-opened backup goal menu, select 'On-Premises' within the 'Where is your workload running' drop down menu. Then select 'Files and Folders' and 'System State' under 'What do you want to backup?'



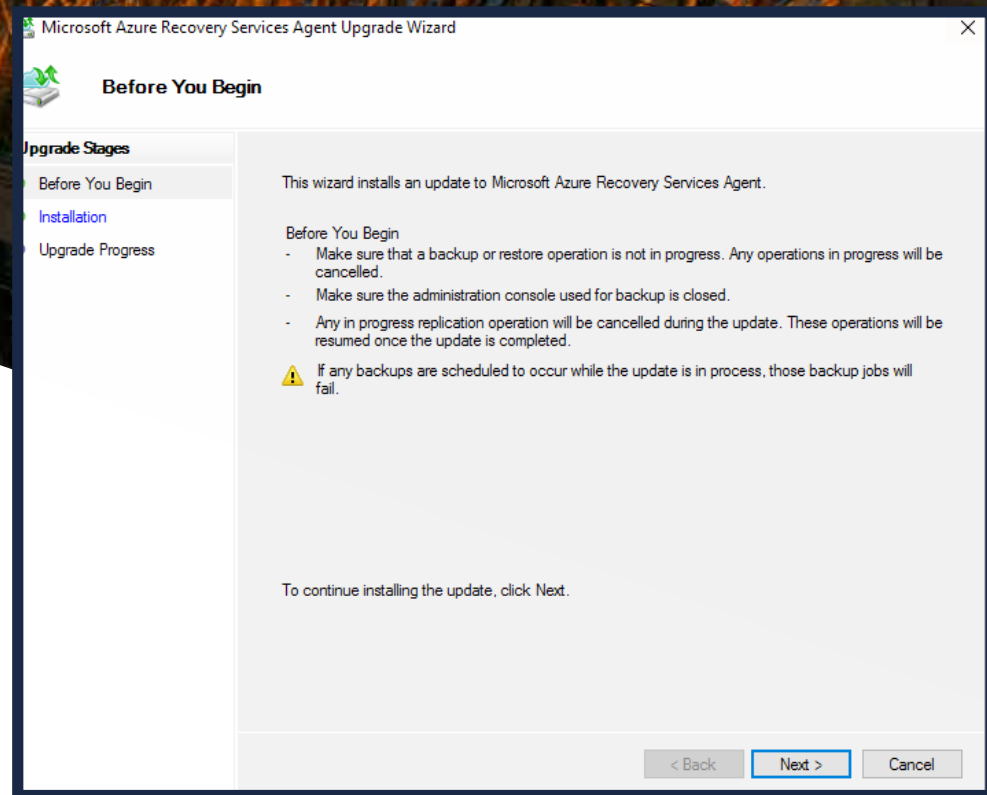
SEVEN

Click 'Prepare Infrastructure', then 'Download Agent for Windows Server or Windows Client'.
You will also need to download the vault credentials.

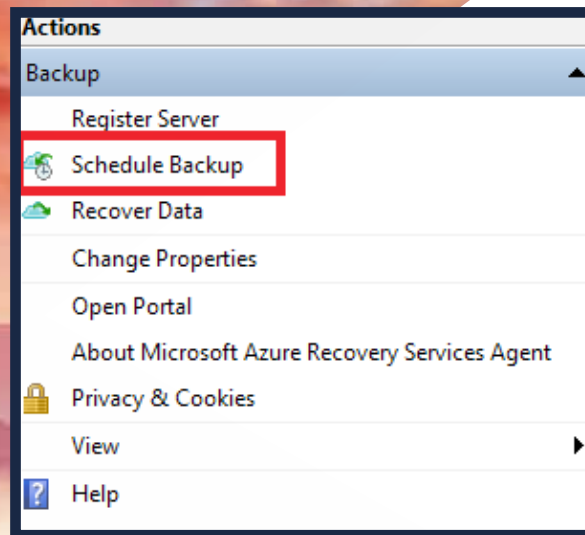


EIGHT

Once the recovery agent has downloaded, run it and follow the steps it indicates. When the tool asks you to 'Proceed to Registration', press this and provide the credentials you downloaded in point 8.

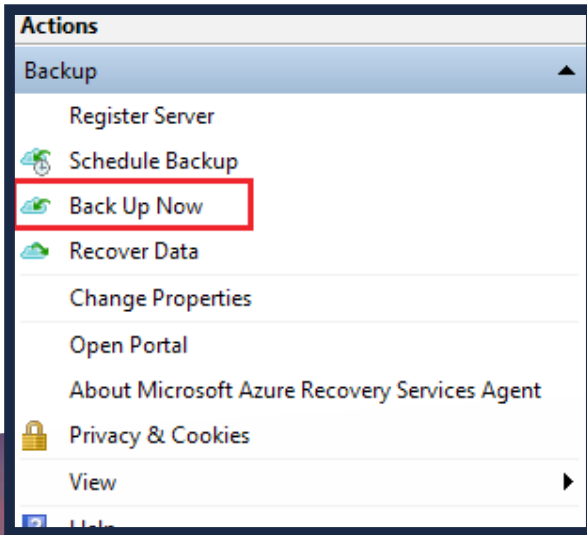


Step 3 – Configure back-up and retention



NINE

Search the machine for 'Microsoft Azure Backup'. When the console opens, click 'Schedule Backup' under the 'Actions' pane. From here you can set retention policies to conform with the user's requirements.



TEN

From the 'Actions' pane that you visited earlier. You can perform an ad-hoc backup. This is considered best practice to ensure data resiliency for the server.

**With this backup process,
a business need never be left
without critical data again.**

csp@westcoastcloud.co.uk
westcoastcloud.co.uk
0333 003 1701