Week 5

Core Cloud Services – Manage services with the Azure Portal

Introduction

- platform that provides the compute, storage, and networking resources needed to build cloud-hosted applications.
- create and manage all your Azure resources.

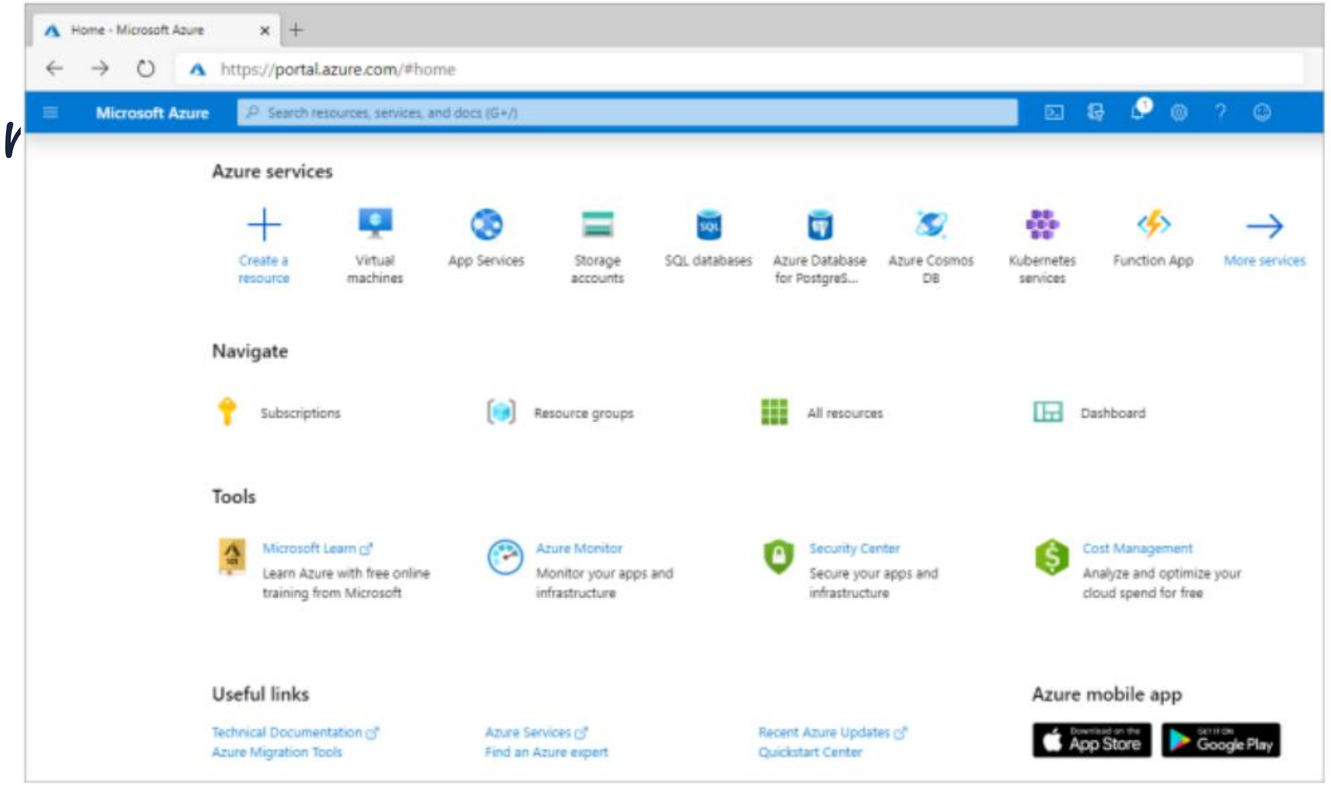
- You will learn :
  - Learn about Azure management options
  - Navigate the Azure portal
  - Customize the dashboard

Azure Management Option

- configure and manage Azure using a broad range of tools and platforms.
- tools available for the command line, language-specific Software Development Kits (SDKs),developer tools, tools for migration, and many others.
- Tools commonly used for day-to-day management:
  - Azure Portal
  - Azure PowerShell and Azure Command-Line Interface (CLI)
  - Azure Cloud Shell
  - Azure mobile app

Azure Portal

- create, manage, and monitor any available Azure services
- dashboard provide high-level details
- customize the dashboard by moving and resizing tiles, and displaying services
- portal doesn't provide any way to automate repetitive tasks



Azure PowerShell

- cross-platform version of PowerShell that runs on Windows, Linux, or macOS.
- E.g.
- Azure PowerShell provides the New-AzVM command that creates a virtual machine for you inside your Azure subscription.
- Creating administration scripts and using automation tools is a powerful way to optimize your workflow.

PowerShell | Copy

```
New-AzVM `
    -ResourceGroupName "MyResourceGroup" `
    -Name "TestVm" `
    -Image "UbuntuLTS" `
    ...
```

Azure CLI

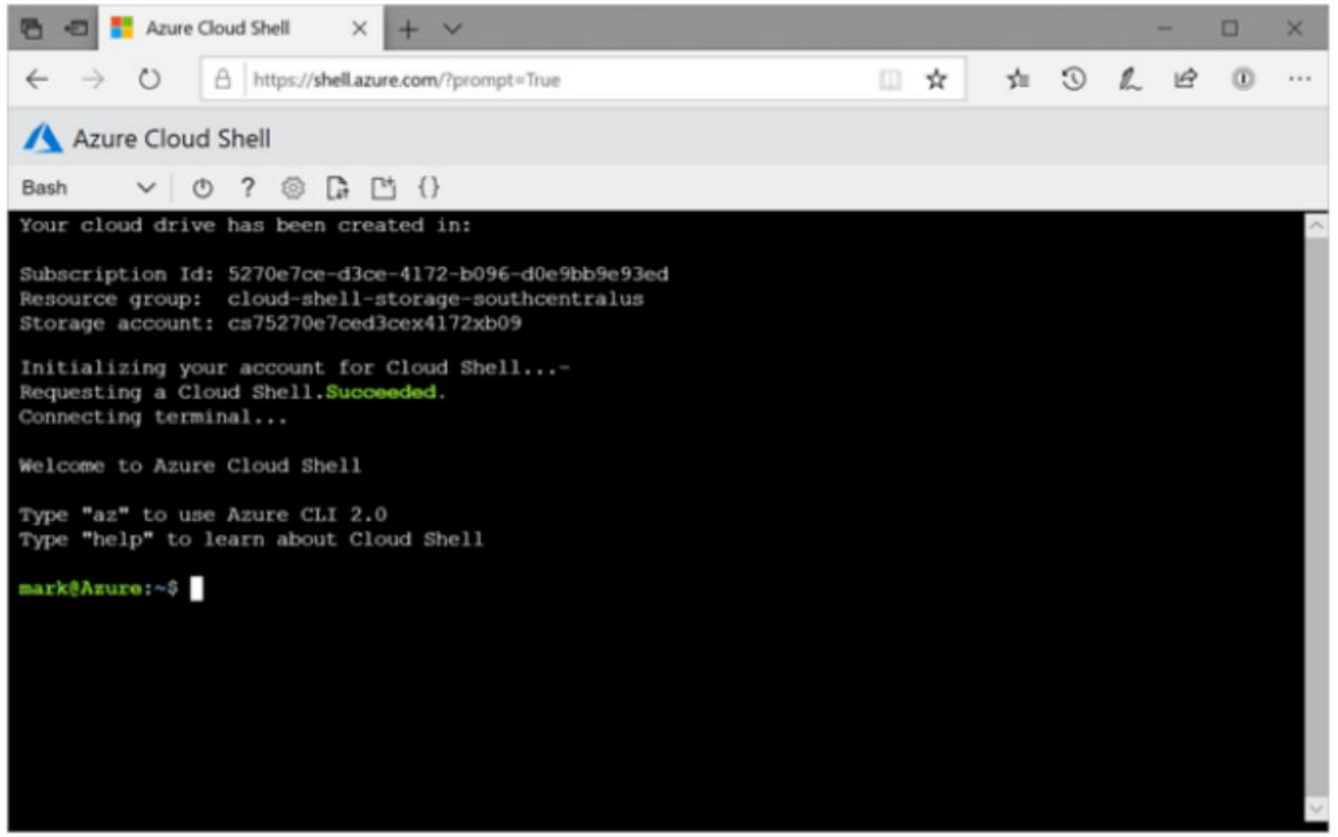
- cross-platform command-line program
- Cross-platform means that it can be run on Windows, Linux or macOS.
- E.g. to create a VM, you would open a command prompt window, sign in to Azure using the command az login , create a resource group, then use a command such as:

Azure CLI | Copy

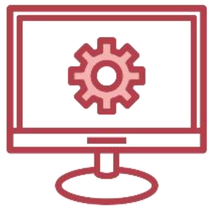
```
az vm create \
  --resource-group MyResourceGroup \
  --name TestVm \
  --image UbuntuLTS \
  --generate-ssh-keys \
  ...
```

Azure Cloud Shell

- allow to switch between the two shells, and both support the Azure CLI and Azure PowerShell module.
- Bash defaults to the Azure CLI with the az command pre-installed and PowerShell Core within Linux with pwsh command.



Azure Cloud Shell

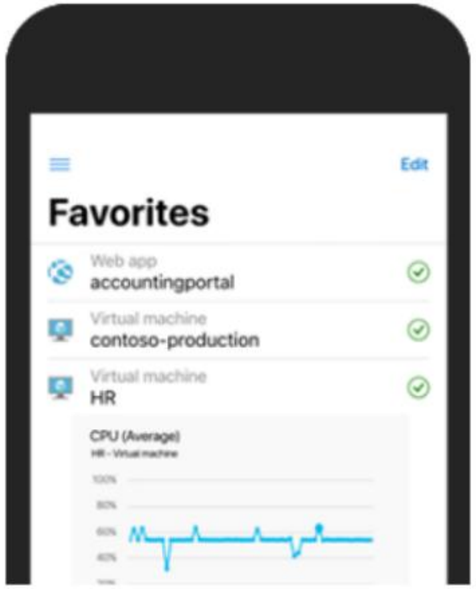


Develop Tools
- .NET Core
- Python
- Java
- Node.js
- Go

Editors
- code (Cloud Shell Editor)
- vim
- nano
- emacs

Other tools
- git
- maven
- make
- npm

Azure Mobile App



- allows you to access, manage, and monitor all your Azure accounts and resources from your phone or tablet
  - Check the current status and important metrics of your services
  - Stay informed with notifications and alerts about important health issues
  - Quickly diagnose and fix issues anytime, anywhere
  - Review the latest Azure alerts
  - Start, stop, and restart virtual machines or web apps
  - Connect to your virtual machines
  - Manage permissions with role-based access control (RBAC)

Other Options

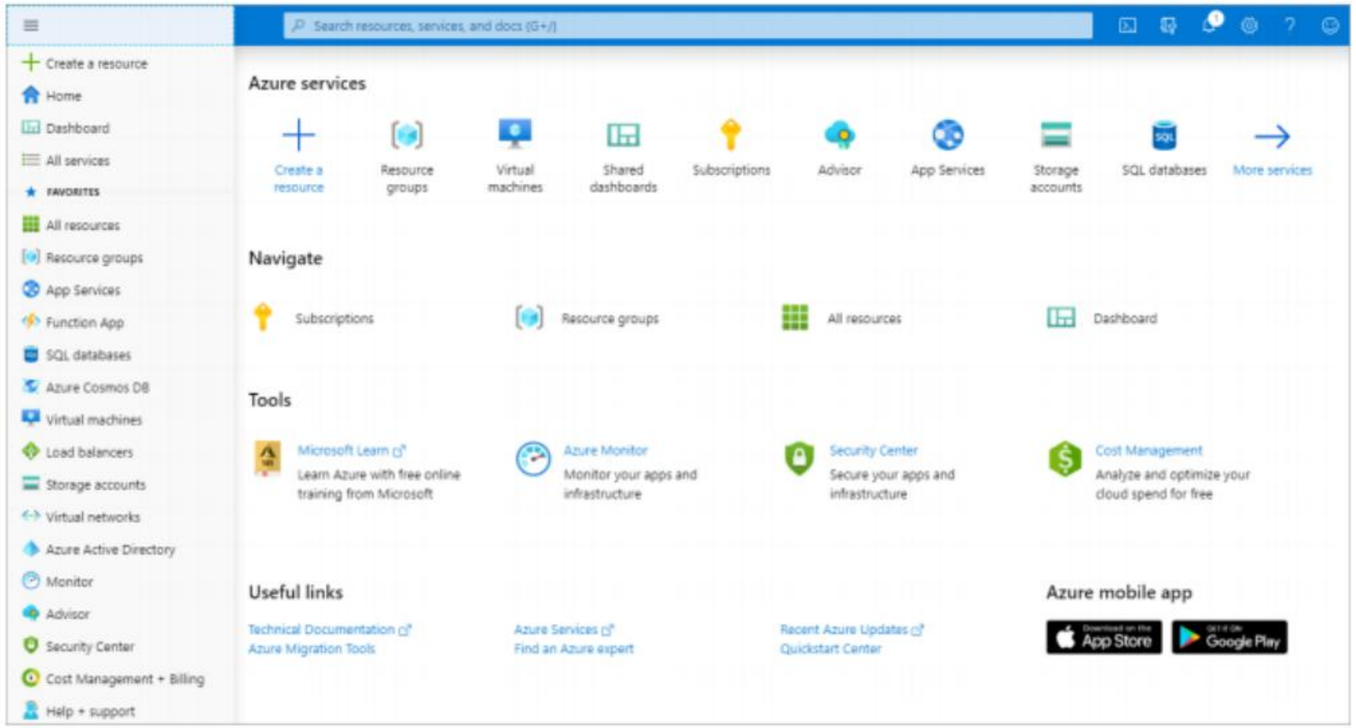
- Azure SDKs for a range of languages and frameworks, and REST APIs
  - manage and control Azure resources programmatically.

Week 5

Navigate the portal

Azure Portal Layout

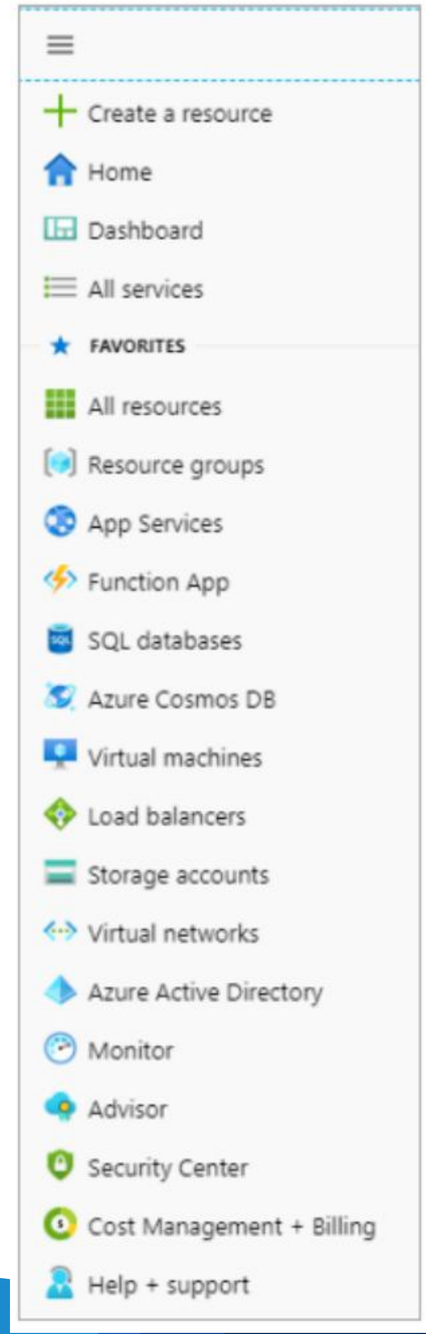
- primary graphical user interface (GUI) for controlling Microsoft Azure
- carry out the majority of management actions in the portal



Azure Portal Layout

Resource Panel

- left-hand sidebar of the portal which lists the main resource types.
- customize this with the specific resource types you tend to create or administer most often.



What is Azure Marketplace?

- where you start when creating new resources in Azure.
- allows customers to find, try, purchase, and provision applications and services

- can provision end-to-end solutions quickly and reliably, hosted in your own Azure environment.
- Microsoft Partners also use it as a launch point for all joint Go-To-Market activities.

Configuring settings in Azure Portal

- mostly in the status bar at the top-right of the screen.

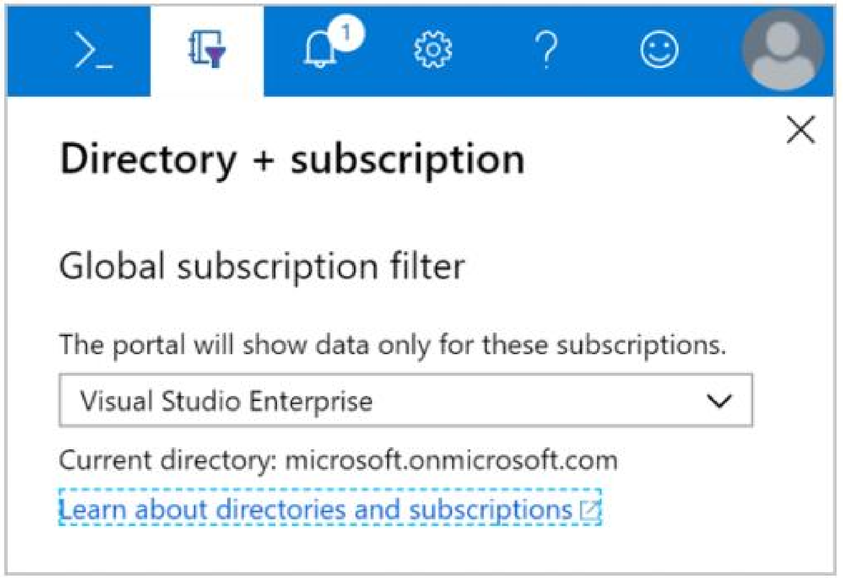
Cloud Shell

- select the Cloud Shell icon (>_), you create a new Azure Cloud Shell session.
- control and administer all of your Azure resources in the current subscription through a command-line interface built right into the portal.

Configuring settings in Azure Portal

Directory and subscription

- select the **Book and Filter** icon to show the **Directory + subscription** pane
- allows you to have more than one subscription associated with one directory
- can change between subscriptions.



Configuring settings in Azure Portal

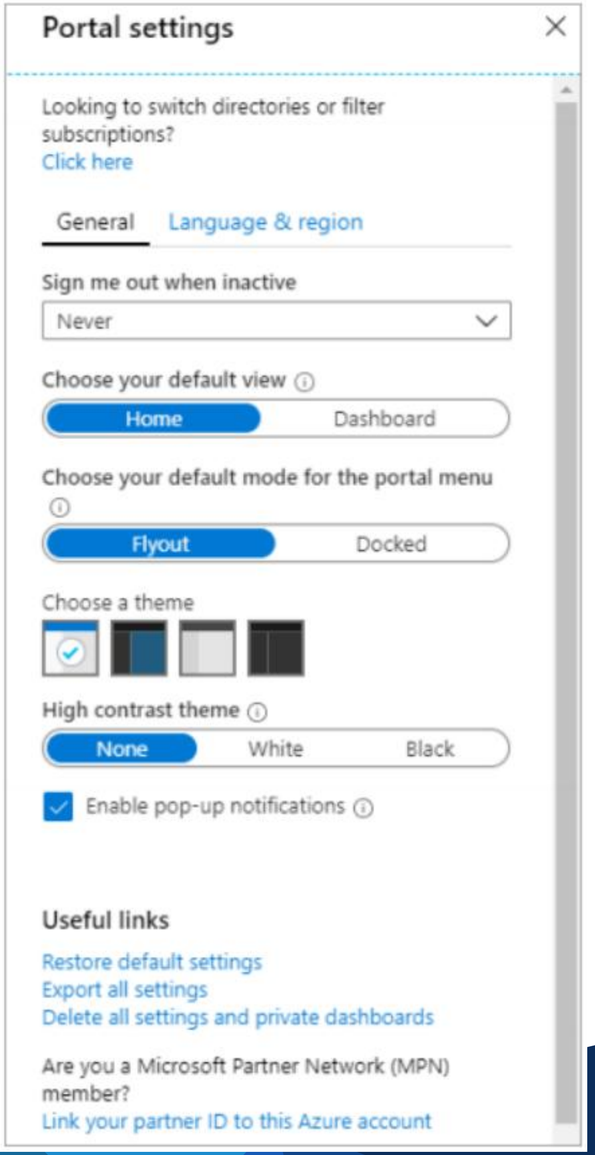
Notification

- Selecting the **bell** icon displays the Notifications pane.
- lists the last actions that have been carried out, along with their status.

Configuring settings in Azure Portal

Settings

- Select the **gear** icon to change the Azure portal **settings**.
- Settings include :
  - Inactivity sign out delay
  - Default view when you first sign in
  - Flyout or docked option for the portal menu
  - Color and contrast themes
  - Toast notifications (to a mobile device)
  - Language and regional format



Configuring settings in Azure Portal

Help Pane

- Select the **question mark** icon to show the **Help** pane.
- Option include :
  - Help + Support
  - What's new
  - Azure roadmap
  - Launch guided tour
  - Keyboard shortcuts
  - Show diagnostics
  - Privacy statement

Help & Support options

- can access billing, quota, and subscription-management support
- check the status and details of your support request, by going to Help > Help +support > All support requests.

Configuring settings in Azure Portal

Feedback

- smiley face icon opens the **Send us feedback** pane
- **Send feedback** to Microsoft about Azure.

Profile settings

- Sign in with another account, or sign out entirely
- View your account profile, where you can change your password
- Check your permissions
- View your bill
- Update your contact information
- Cost Management + Billing - Invoices page that helps you analyze where Azure is generating costs.

Configuring settings in Azure Portal

Azure Advisor

- free service built into Azure
- high availability, security, performance, operational excellence, and cost.

With the help of Azure Advisor :

- Get proactive, actionable, and personalized best practices recommendations.
- Improve the performance, security, and high availability of your resources as you identify opportunities to reduce your overall Azure costs.
- Get recommendations with proposed actions inline.

Exercise 1

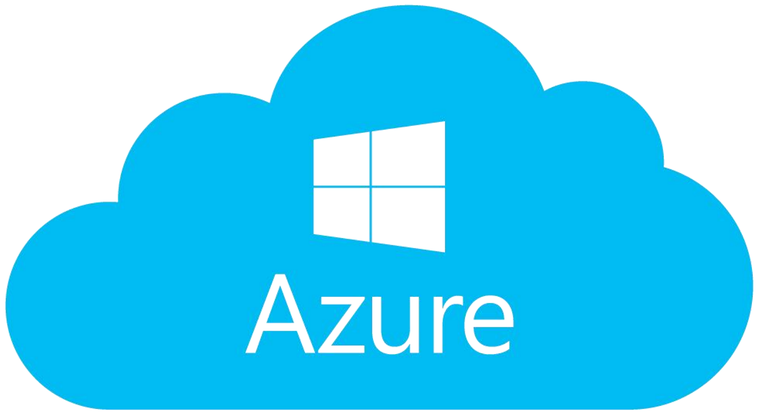
Work with panes

Excercise 1 - Explore the Marketplace

1. Let's start by touring how to create a resource. On the home page, select Create a resource.

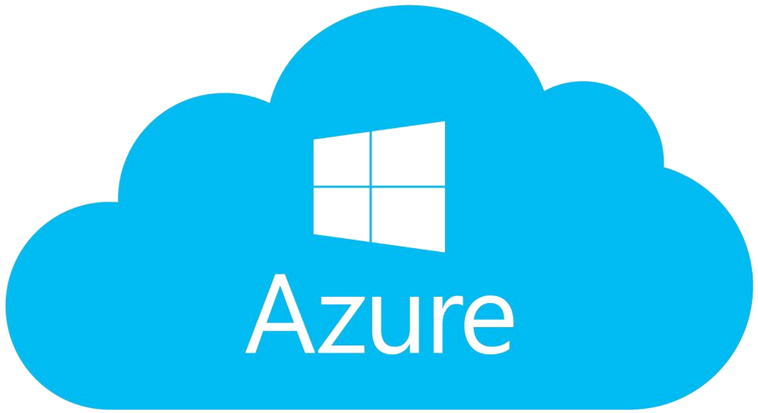
2. A pane labeled New appears and displays a list of categories on the left-hand side, labeled Azure Marketplace.

you can expand this list to see everything in the Marketplace pane with the See all link next to the heading.



Excercise 1 - Explore the Marketplace

3. Selecting any of items in the Azure Marketplace list will show popular services for that category on the right of the New pane. You can select on the See all link for a more comprehensive list.

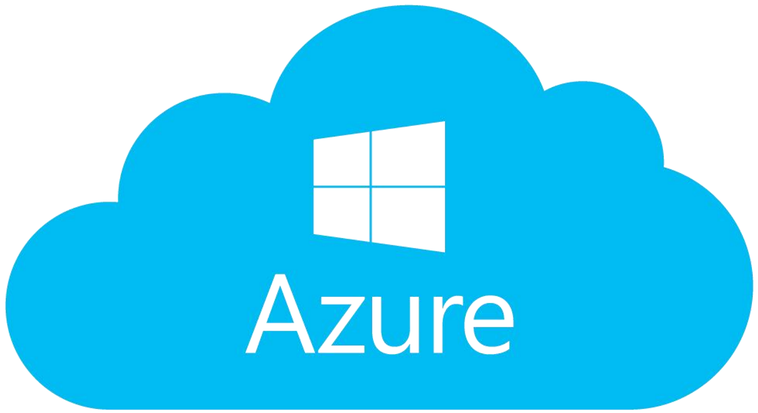


4. Returning to the New pane, select on Get started and you should see a list on the right side of the pane that includes services such as Windows Server 2016 Datacenter, Ubuntu Server VM, SQL Database, and so on.

Excercise 1 - Explore the Marketplace

Optional :

5. select Quickstarts + tutorials under Windows Server 2016 Datacenter and, in the new browser window, look through the Windows VM tutorials.



Excercise 1 – View Resources

1. Under Azure Marketplace, select **Compute** to show more compute options on the right side of the pane, such as Red Hat Enterprise, Reserved VM Instances, Web app for Containers, and so on.
2. To the right of Featured, select See all. The full list of available VM services now appears.

3. Select **Windows Server** under the **Operating Systems** section. On screens with limited horizontal space for the pane, you may have to scroll right and select the **See More** link to find the **Windows Server** option.

Excercise 1 – View Resources

4. Select the drop-down list to see all of the Windows Server images available.

5. Select the **X** at the top right-hand corner to close the **Windows Server** window.

6. Select the **X** on the previous **Marketplace** window. You should now see the New pane again.

Excercise 1 – Filter Result

1. Type virtual machine into the search box and hit **Enter** .

2. Select **Compute**. You see a filtered list of Compute services related to virtual machine images.

3. Select any of the results that interest you to learn more about that service, including how to get started. Select the **X** in the corner to explore a different service. When you're done, move to the next step.

Excercise 1 – Filter Result

4. Select the X in the right-hand end of the search box. The X button will erase your search term but does not reset any of the drop-down filters you've set. You can either reset those filters manually, or close the **Marketplace** pane with the X icon in the upper right corner and reopen it. When you are finished trying out the search and filtering options, move on to the next step.

5. Select the X at the top right-hand corner to close the **Marketplace** pane. Now you will see the **New** pane once again.

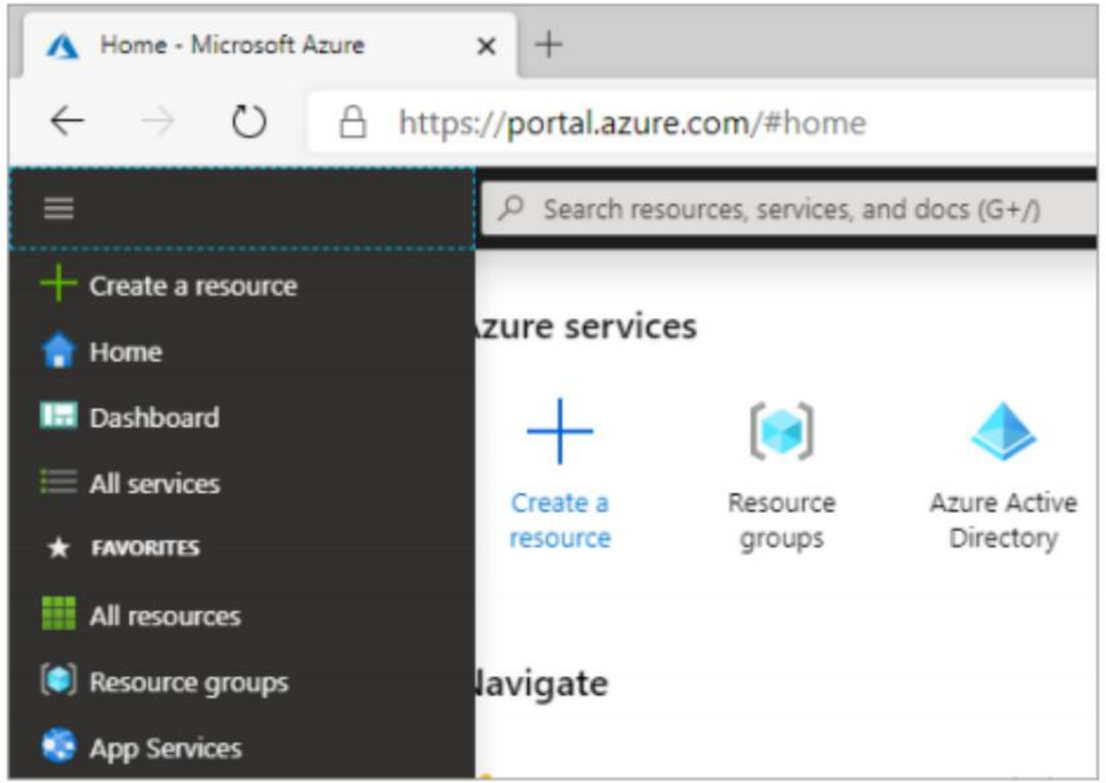
6. Select the X at the top right-hand corner to close the New pane.

Exercise 2

Use the Azure Portal

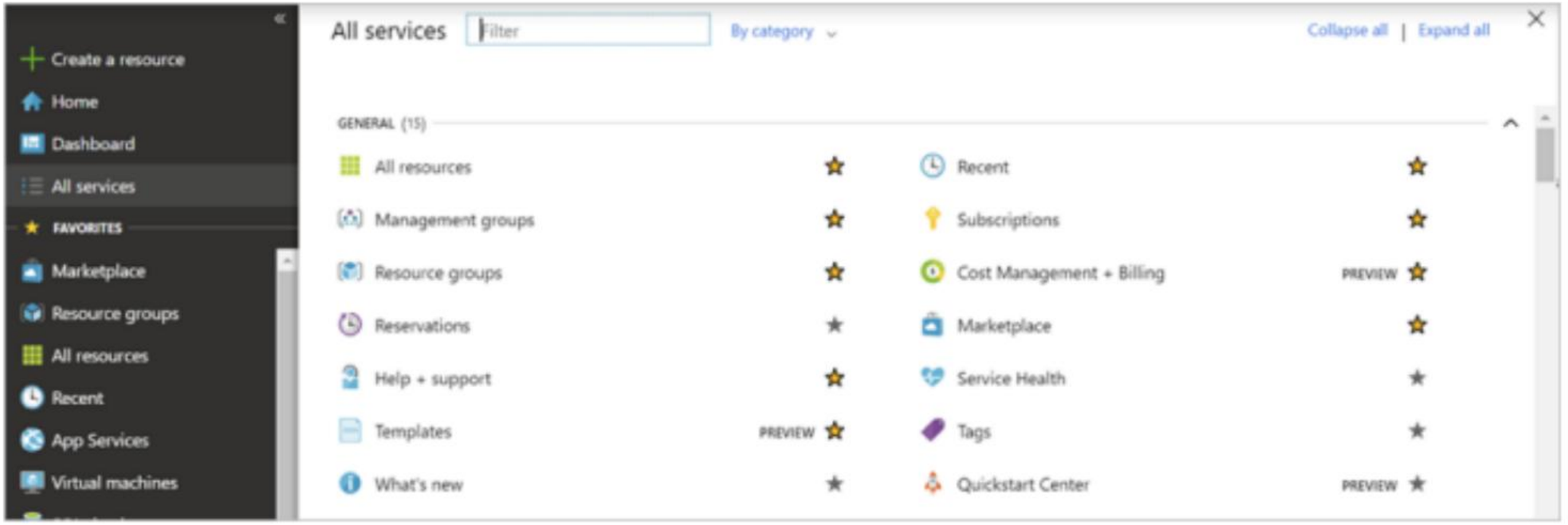
Exercise 2 – Use the Azure Portal

1. On the top left-hand side of the Azure portal, select **Show portal menu**.



Exercise 2 – Use the Azure Portal

2. Select **All services**. Take a couple of minutes to scroll down the list to see how w



Exercise 2 – Use the Azure Portal

3. You can search for services through the *filter box*.

4. Select **Virtual machines**. If you don't see it, use the filter box. The **Virtual Machines** pane appears. You haven't created any virtual machines so there are no results.

5. Select + Add. The Create a virtual machine pane appears.

Exercise 2 – Use the Azure Portal

6. Select the **X** in the top right-hand corner to close the **Create a virtual machine** pane.

7. Select the **X** in the top right-hand corner to close the **Virtual machines** pane.

8. Select on **Microsoft Azure** on the top left-hand side to get back to the home page.

Exercise 2 – Use the Azure Portal Azure Cloud Shell

- allows you to use a command-line interface (CLI) to execute commands in your Azure subscription.
- choose either a Bash or PowerShell environment
- change the shell at any time through the language drop-down on the left side of the shell.
- there are a variety of management and programming tools
  - Azure command-line tools (Azure CLI, AzCopy, etc.)
  - Languages / Frameworks including .NET Core, Python, and Java
  - Container management support for Docker, Kubernetes, etc.
  - Code editors such as vim, emacs, code, and nano

Exercise 2 – Use the Azure Portal

Directory and Subscription

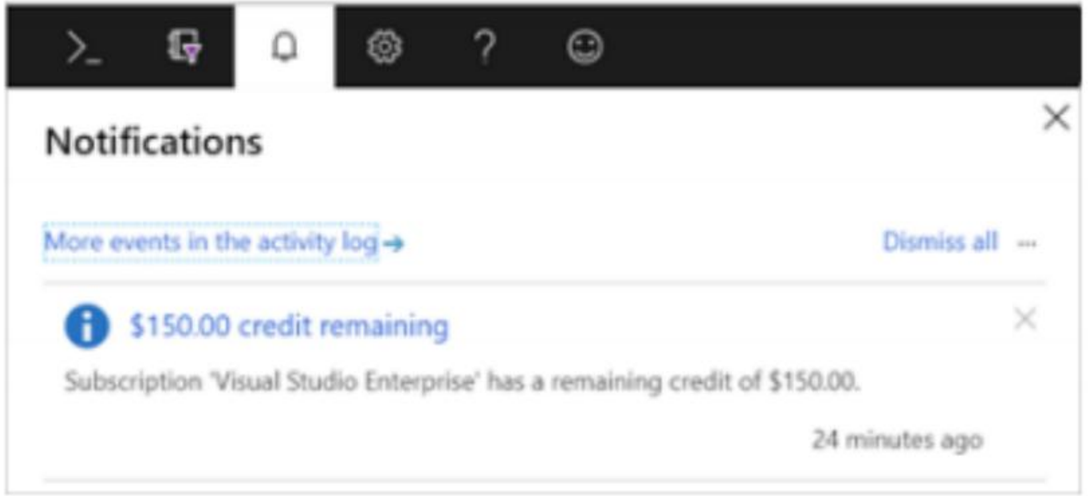
1. Select the **Directory + Subscription** (book and filter) icon to show the **Directory + subscription** pane.
   - switch between multiple subscriptions or directories.

2. Select the X in the top right-hand corner to close the **Directory + subscription** pane.

Exercise 2 – Use the Azure Portal

Notifications pane

1. On the icon bar menu bar, select the **Notifications** (bell) icon. This window lists any pending notifications.



Exercise 2 – Use the Azure Portal

Notifications pane

2. If any notifications appear, hover your mouse over one of them. Select the **X** that appears in that notification to dismiss it.
3. Select **Dismiss all**. You should have no notifications showing.
4. Select the **X** in the top right-hand corner to close the **Notifications** pane.

Exercise 2 – Use the Azure Portal

1. Select the **Settings** (cog) icon to open the **Portal settings** pane, showing the **General** settings by default.

2. Drop down the **Sign me out when inactive** setting, and select **After one hour**.

3. Under **Choose a theme**, select the different colored themes and observe the changes to the portal UI. Leave it set to the one you like the best.

4. Under **High contrast theme**, try the three different options.

Exercise 2 – Use the Azure Portal

5. Select **Enable pop-up notifications**. When this option is checked, notifications will appear as pop-up "toast"-style notifications. They will still show up in the Notifications (bell) icon as well.

6. Select the **Language & region** tab in the settings. Select **Language** and pick **Español**, and then select the **Apply** button. If a **Translate this page** dialog box appears, close the box. The whole portal is now in Spanish.
7. To revert back to English, select the **Settings** (cog) icon in the top menu bar and switch to the **Idioma y región** settings. Select **Idioma** and pick **English**. Select the **Aplicar** button. The portal returns to English.

Exercise 2 – Use the Azure Portal

1. Select the **Help** (?) icon to show the **Help** pane.

2. Select the **Help + support** button.

3. In the **Help + support** pane, under **Support**, select **New support request**. To create a new support request, you would fill in the information in each of the following sections, and then select **Create** to lodge the issue.
    - **Basics:** the issue type
    - **Problem:** severity of the problem, a summary and description, and any additional information
    - **Contact information:** preferred contact method and the information associated with this contact method

Exercise 2 – Use the Azure Portal

4. You can view the status of your support requests by selecting on **All support requests**.

What's News and other information

1. Select the **Help** icon and select **What's new**.

2. Review the features that have recently been released. Also note and explore the other **Help** menu options, such as:

- Azure roadmap
- Launch guided tour
- Keyboard shortcuts
- Show diagnostics
- Privacy statement

Exercise 2 – Use the Azure Portal

What's New and other information

3. Select the **X** in the top right-hand corner to close the **Help** pane.

4. Close the **What's new** pane. You should now be back to the Dashboard.

Exercise 2 – Use the Azure Portal

Feedback pane

1. Select the **Feedback** (smiley face) icon to open the **Send us feedback** pane.

2. Type your impressions of Azure in the **Tell us about your experience** box, select the box that says **Microsoft can email you about your feedback**, and **select Submit Feedback**.

3. A **Feedback sent** message will appear, and then close. You should now be back at the Dashboard.

Exercise 2 – Use the Azure Portal

Profile Settings

1. Select on your name in the top right-hand corner of the portal. Options include:
    - Sign in with another account, or sign out entirely
    - View your account profile, where you can change your password
    - Submit an idea
    - Check your permissions
    - View your bill
    - Update your contact information

Some of these items do not appear unless you select the "..." icon.

Exercise 2 – Use the Azure Portal

Profile
Settings
2. Select "..." then View my bill to navigate to the **Cost Management + Billing – Invoices** page, which helps you analyze where Azure is generating costs.

3. If you're using your own account and not sandbox, you can select a subscription from the drop-down list.

4. Select a billing period.

5. Note the service costs and check them against what you expect for your current subscription.

Exercise 2 – Use the Azure Portal

Profile
Settings

6. Select the X in the top right-hand corner to close the **Costs by service** pane.

7. Select the X in the top right-hand corner to close the **Cost Management + Billing - Invoices** page.

8. You should now be back on the home page.

Week 5

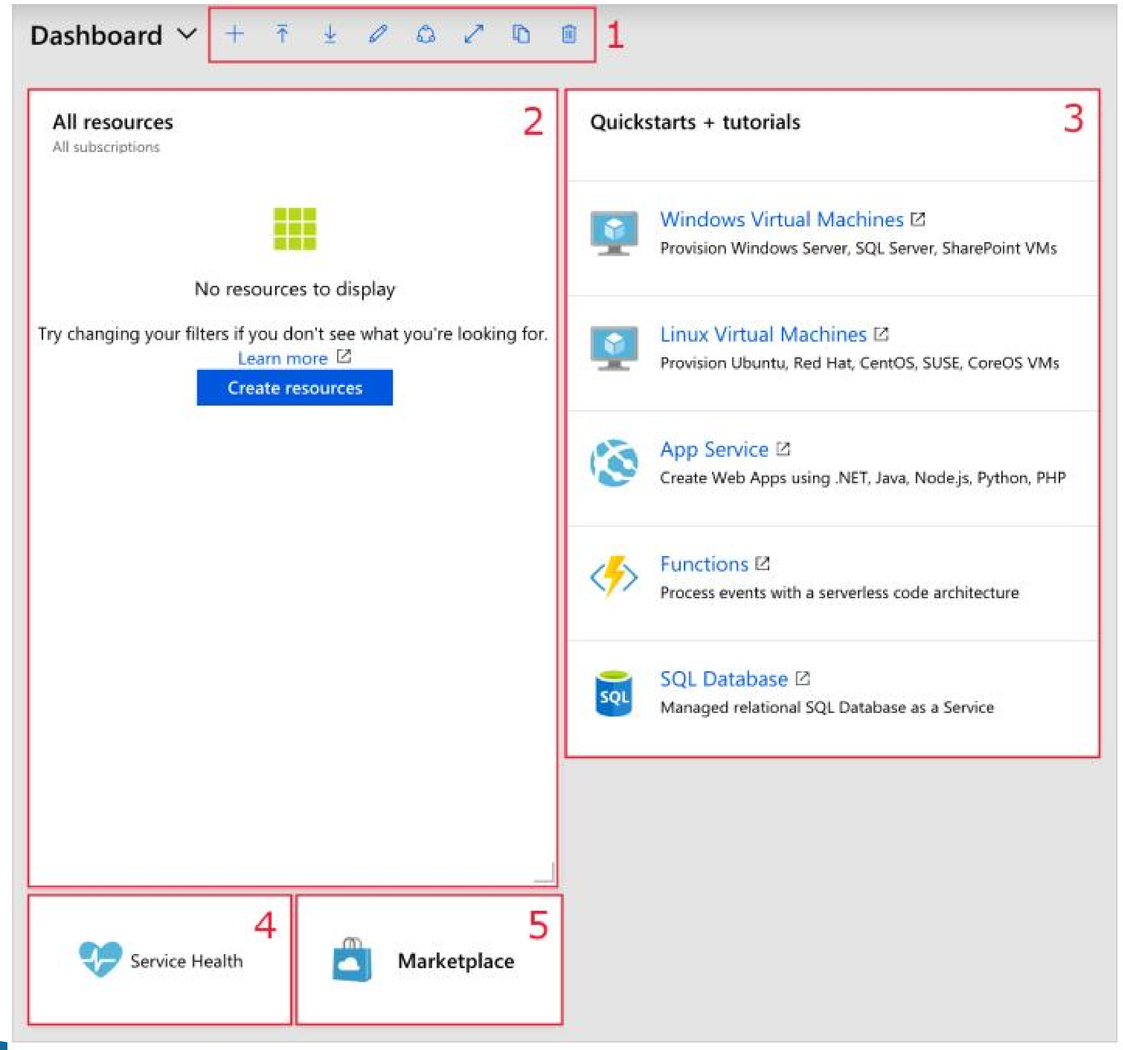
Azure Portal Dashboards

What is Dashboard?

- customizable collection of UI tiles displayed in the Azure portal
- add, remove, and position tiles to create the exact view you want
- Multiple dashboards are supported
- considerable flexibility regarding how you manage Azure
- customize the portal between your production and development environments within the portal
- stored as JavaScript Object Notation (JSON) files
- Azure stores dashboards within resource groups

Explore the default dashboard

- When you log into the portal for the first time and select Dashboard from the portal menu, you are presented with this dashboard containing five tiles.
    1. Dashboard Controls
    2. All resources file
    3. Quickstarts + tutorials tile
    4. Service Health tile
    5. Marketplace tile



Creating and managing dashboards

- At the top of the dashboard are the controls that enable you to create, upload, download, edit, and share a dashboard.
- Also can switch a dashboard to full screen, clone it, or delete it.

Select dashboard

- the far left of the toolbar is the Select Dashboard dropdown control.
- Dashboards that you create will initially be private

Create a new dashboard

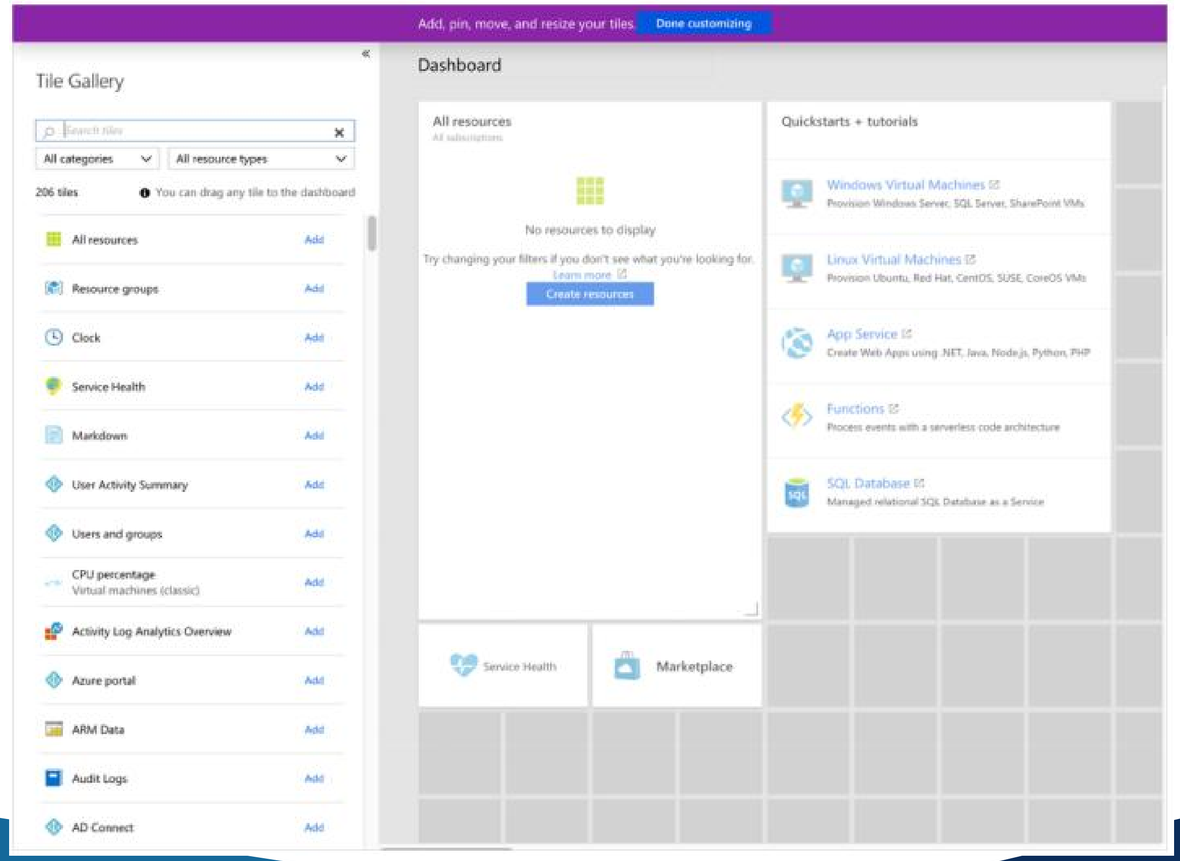
- create a new dashboard by click New dashboard.
- add, remove, and adjust tiles the way you like.

Upload and Download

- The Upload and Download buttons enable you to download your current dashboard as a JSON file

Edit a dashboard using the portal

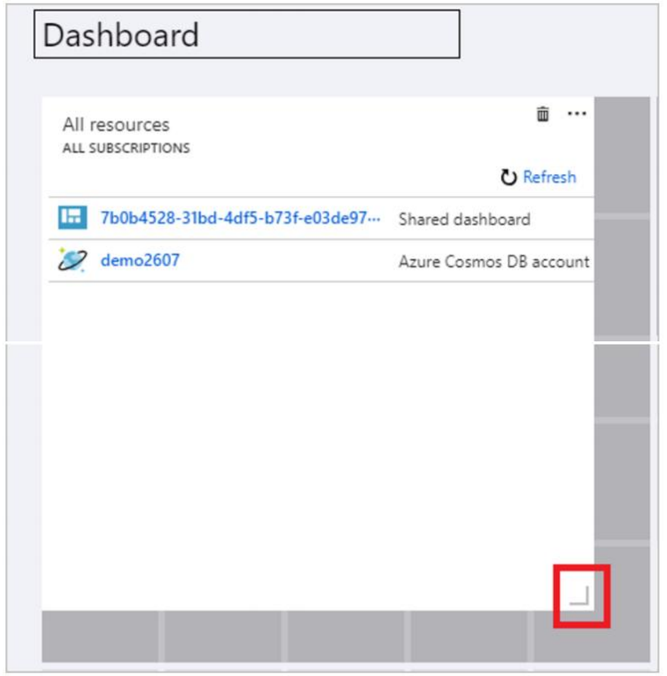
- dashboard can be edit by downloading the JSON file
- can switch to editing mode in several ways:
  - Click the **Edit** (pencil icon) button.
  - Right-click on the dashboard background area and select **Edit**.
  - Right-click on a tile and a menu will appear with edit options.
  - Hover over a tile on the dashboard - a ... menu will appear on the top/right

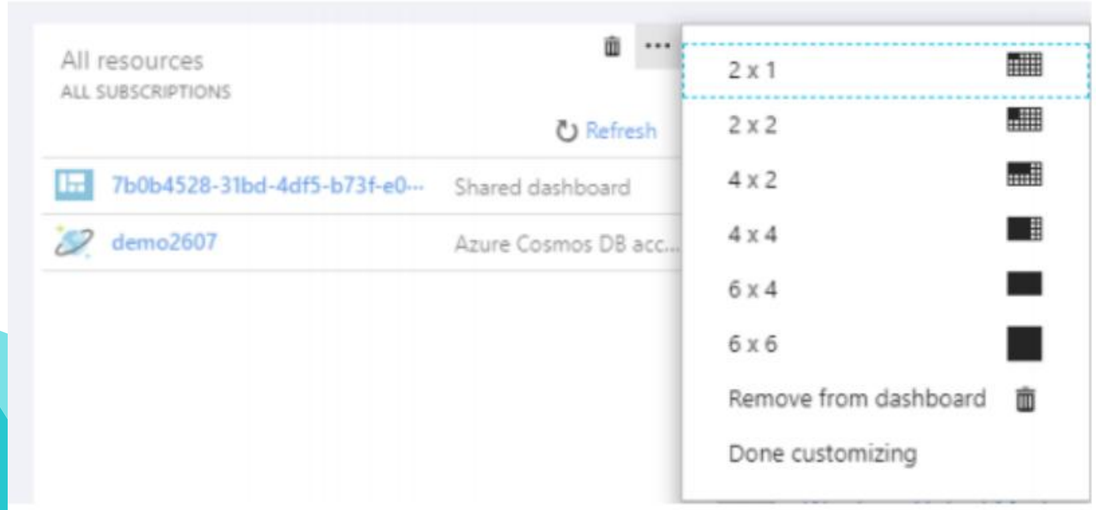


Edit a dashboard using the portal

Change tile sizes

- edit tiles with a gray bottom right-hand corner by dragging the corner indicator.



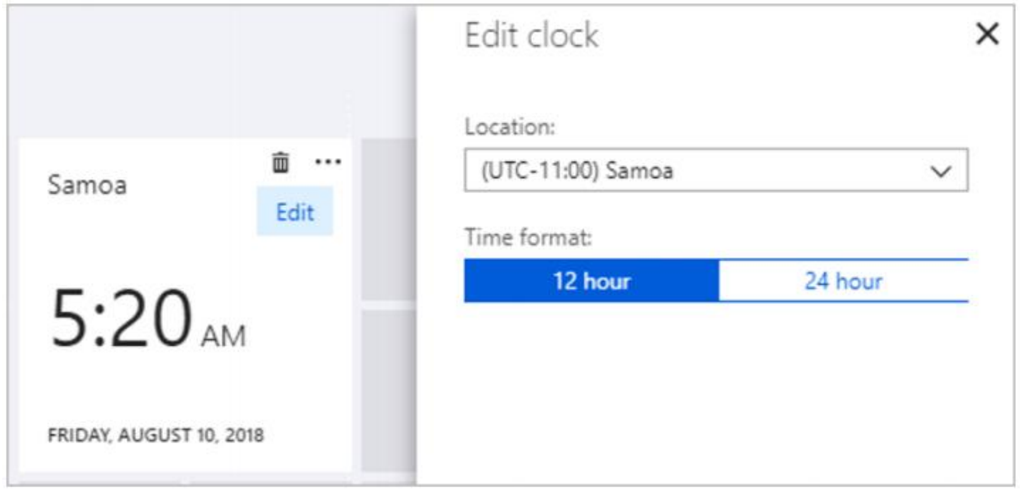


- right-click into the contextual menu and specify the size you want.

Edit a dashboard using the portal

Change tile settings

- Some tiles have editable settings.

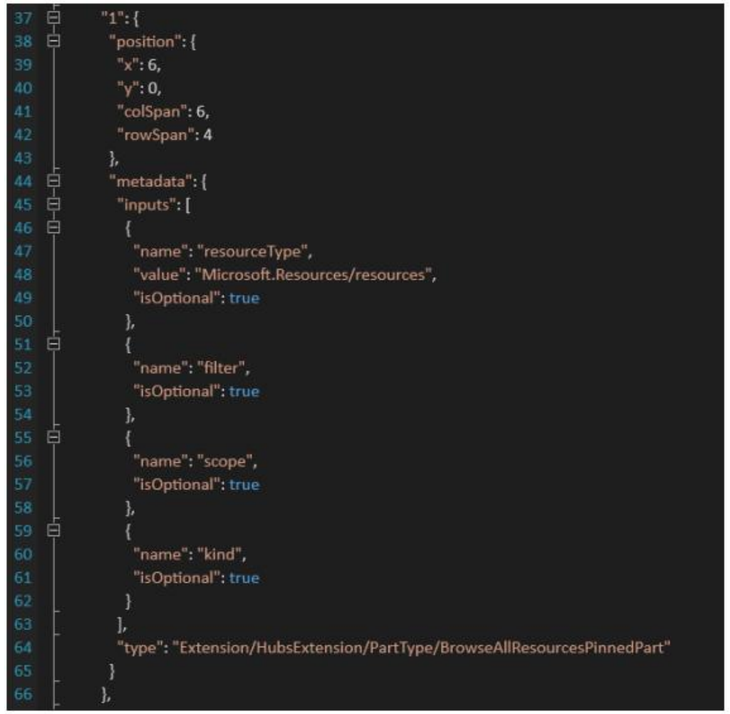


Accepting your edits

- When you have arranged the tiles as you want them, either click Done customizing or right-click and then click Done customizing.

Edit a dashboard by changing the JSON file

- provides more options for changing settings
- cannot see the changes until you upload the file back into Azure.

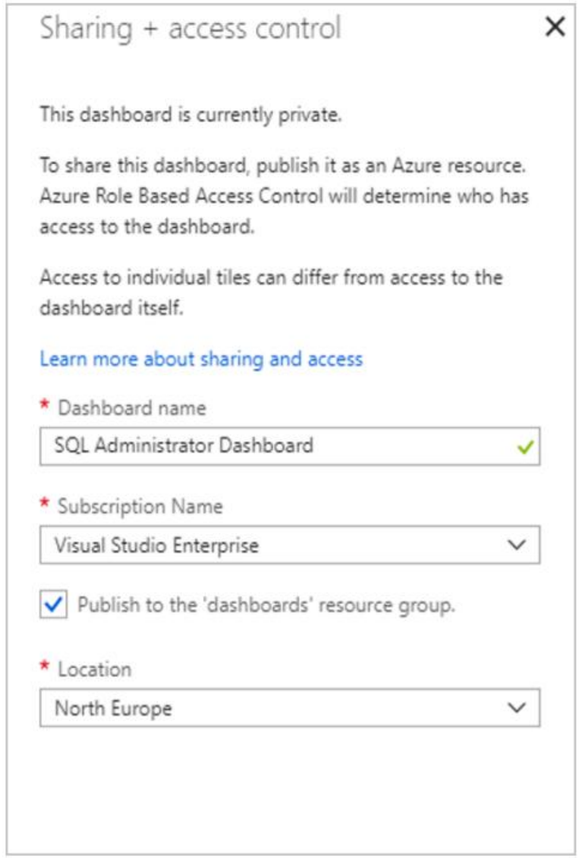


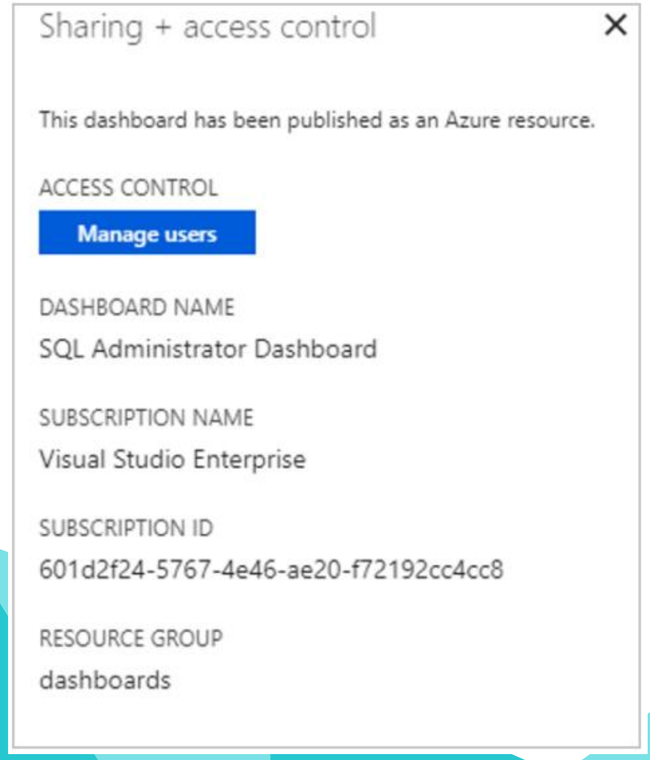
Reset a dashboard

- just click on the dashboard background and select **Reset to default state** to reset the dashboard to default state

Share or unshare a dashboard

- Specify a new resource group (or use an existing resource group) in which to store shared dashboards.

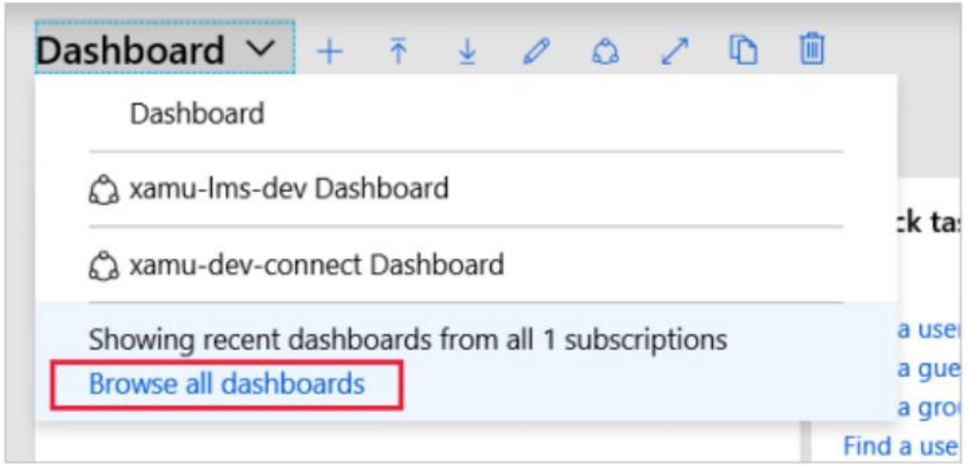


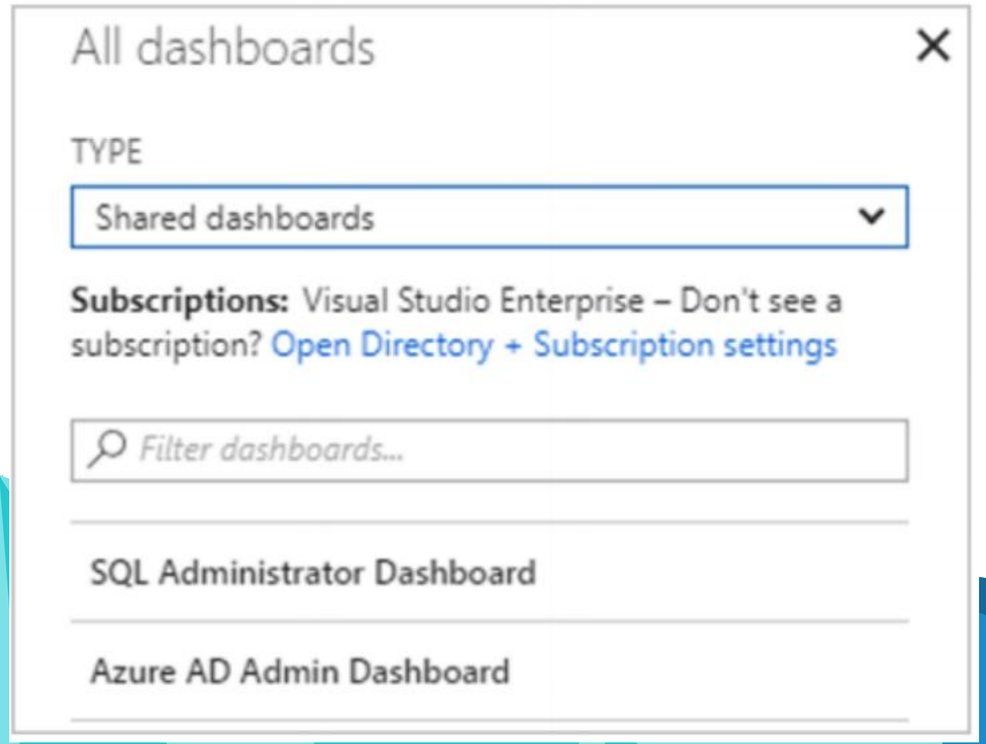


- When you have shared the template, you will see a second Sharing + access control pane.

Share or unshare a dashboard

- To switch to a shared dashboard, you click on the list of dashboards, and then click Browse all dashboards.





- You will now see the All dashboards pane, with the names of any shared dashboards displayed. Just click on a dashboard to apply it to the Azure portal.

Display a dashboard as a full screen

- Click the Full screen button to display your current dashboard without any browser menus, if you want the largest dashboard real estate.
- Press the ESC key or click Exit Full Screen next to the Dashboard name at the top of the screen.

Clone a dashboard

- Cloning a dashboard creates an instant copy called "Clone of <dashboard name>" and switches to that copy as the current dashboard

Delete a dashboard

- removes a dashboard from your list of available dashboards

Exercise 3

Customize the dashboard

Create New Dashboard

1. In the Azure portal M, from the top left-hand side, select **Show portal menu > Dashboard**

2. Select the **New Dashboard**

3. In the center pane, change **My Dashboard** to Customer Dashboard

Add and Configure the Clock Tile

1. In the tile gallery, drag the clock onto the workspace. Place it on the top right of the available space.

2. On the **Edit clock** pane, change the Location to **Pacific Time (US & Canada)**.

3. Under **Time format**, select **24 hour**.

4. Select **Done**.

5. Repeat the preceding four steps, except select **Eastern Time (US & Canada)**. You should now have two clocks, one showing the time on the West Coast, the other on the East Coast.

Resize a Tile

1. Under **Tile Gallery**, drag an **All resources** tile and drop it onto the top left-hand side of the new dashboard workspace.
2. Hover over the new **All resources** tile and select the ellipsis icon (...); then select the **6x6** size.

3. Select the gray corner on the bottom right-hand side of the tile, and resize the tile to 3.5 squares vertically by six horizontally. When you finish resizing, the tile adjusts to 4x6.
4. In the Tile Gallery, drag the **Resource Groups** tile onto the workspace. Place it underneath the **All resources** tile.

Resize a Tile

5. In the Tile Gallery, select the **Metrics chart** tile, and drag it onto the workspace. Place it to the right of the **All resources** tile.

6. Continue to add the following tiles, rearranging them to fit:

   - Help + Support
   - Quick Tasks
   - Marketplace

7. When you have added these tiles, select **Done customizing**. The **Customer Dashboard** should appear.

Clone a Dashboard

1. Select the **Clone** button.

2. Rename the dashboard from **Clone of Customer Dashboard** to **Azure AD Admin Dashboard**.

3. On the **Resource Groups** tile, select the **Remove from dashboard** trash can icon to delete this tile.

4. From the Tile Gallery, add the following tiles:
    - Organization Identity
    - Users and Groups
    - User Activity Summary

5. Reposition the tiles as necessary, and then select **Done customizing**.

Share a Dashboard

1. From the Azure AD Admin dashboard, select the **Share** button at the top. **The Sharing and access control** panel that appears.
2. Uncheck the **Publish to the 'dashboards' resource group** checkbox.
3. Select the resource group [sandbox resource group name] from the **Resource group** dropdown.

4. Select **Publish**.

Resize a Tile

5. Close the **Sharing + access** control pane.

6. After a short while, a Shared dashboard will appear in the **All resources** tile on your dashboard.

7. Repeat steps 1 to 3 to share the Customer Dashboard.

Edit a dashboard.json file

1. Select **Download**.

2. Open a file explorer on your computer and navigate to where your web browser downloaded the dashboard, typically a **Downloads** folder.
3. Find the *Customer Dashboard.json* file and open it in a text editor.
4. In your editor, look for the text ClockPart.

5. On the first occurrence of ClockPart, change the previous **position > rowSpan** value to 1.

Edit a dashboard.json file

6. On the second occurrence of ClockPart, also change the previous **position > rowSpan** value to 1.

7. On the second occurrence of ClockPart, change the **position > y** value from 2 to 1.

8. Save the Customer Dashboard.json file and close your code editor.

9. On the Azure dashboard, select **Upload**.

10. In the **Open** dialog box, browse to the Downloads folder, and double-click Customer Dashboard.json. The clocks have resized to one row high, and the bottom clock has moved up one row..

Select a Shared Dashboard

1. Select the down arrow next to **Customer Dashboard**.
2. Select **Browse all dashboards**.
3. On the **All dashboards** pane, under **TYPE**, select **Shared dashboards**.
4. Select **Customer Dashboard**.
5. Close the **All dashboards** pane.

The clocks have returned to their original size.

Switch to Full screen

1. Select the down arrow next to **Customer Dashboard**.

There is now another Customer Dashboard, without the shared symbol next to it. Select that version of Customer Dashboard, and the clocks become small again.

2. Switch back to the shared Customer Dashboard.

3. Select the **Full Screen** button. The browser menus and bars have all disappeared.

4. Select the **Exit Full Screen** to return to the standard screen.

Unshared a Dashboard

1. Select the **Unshare** button. The **Sharing + access control** pane appears.
2. Select the **Unpublish** button.
3. In the confirmation message box, select **OK**.
4. Select the down arrow next to **Customer Dashboard**.
5. Select **Browse all dashboards**.
6. On the **All dashboards** pane, under **TYPE**, select **Shared dashboards**.
7. Close the **All dashboards** pane.

Unshared a Dashboard

5. Select **Browse all dashboards**.

6. On the **All dashboards** pane, under **TYPE**, select **Shared dashboards**.

Customer Dashboard no longer appears in the list of available dashboards.
7. Close the **All dashboards** pane.

Delete a Dashboard

1. Ensure that the **Azure AD Admin** dashboard is selected.

2. Select the **Delete** button.

3. In the **Confirmation** message box, select the checkbox to confirm that this dashboard will no longer be visible, and then select **OK**.

Reset a Dashboard

1. Ensure that **Customer Dashboard** is selected.

2. Select **Edit**.

3. Right-click on the workspace, and select **Reset to default state**.

4. In the **Reset dashboard to default state** message box, select **Yes**.

The Customer Dashboard has reset to its default tiles.

Reset a Dashboard

5. Select **Done customizing**.

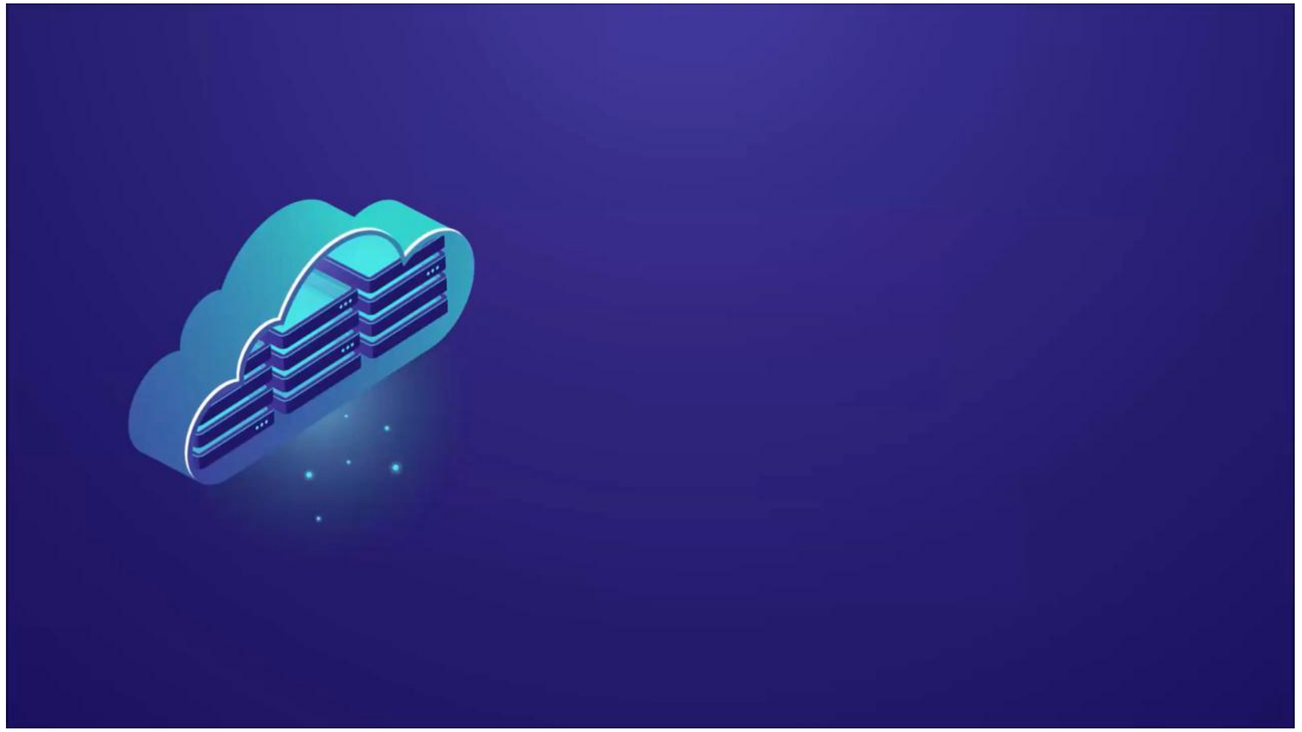
6. Select your name at the top right of the portal.

7. Select **Sign out**.

8. Close your browser.

Week 5

Access public and private preview features



Access public and private preview features

- test beta and other pre-release features, products, services, software, and regions.
- common areas you will see previews for include:
  - New storage types
  - New Azure services, such as Machine Learning enhancements
  - New or enhanced integration with other platforms
  - New APIs for services
- available under certain terms and conditions that are specific to each particular Azure preview.
- release is referred to as General Availability (GA) as once a feature has been evaluated and tested successfully.

Access public and private preview features

Features preview categories

There are two types of previews available:

- **Private Preview**
  - available to specific Azure customers for evaluation purposes.
  - private only and issued directly by the product team.
- **Public Preview**
  - available to all Azure customers for evaluation purposes.
  - turned on through the preview features page.

Access public and private preview features

Finding preview features

learn about preview features through the preview features page.

To access a preview feature

- select its entry on this page and learn more about how to evaluate it.

- find Azure preview features in the portal

- Sign in to Azure portal.
- Select Create a resource in the resources panel to open the New pane.
- Enter the word preview into the search box at the top of the New pane.
- A list of available preview features is displayed, with the word (preview) next to each one.

Azure Portal preview features

Another preview area you can try is the next version of the Azure portal. Use the URL https://preview.portal.azure.com

- provide performance, navigation, and accessibility improvements to the Azure portal interface.
- It will be branded with Microsoft Azure (Preview) in the top bar,

Provide feedback on preview features

- Provide feedback through the "smiley" face icon on the portal
- by posting ideas and suggestions on the Azure portal Feedback Forum.

Get notified about GA release

"What's New" link on the help menu (?) provides a list of recent updates

- use the Azure Updates page which provides additional information and features including:
  - Which updates are in general availability, preview, or development.
  - Browse updates by product category or update type, by using the provided dropdown lists.
  - Search for updates by keyword by entering search terms into a text-entry field.
  - Subscribe to get Azure update notifications by RSS.

Week 5

Summary

Summary

- You have learned how to sign into Azure using an Azure account
- You reviewed the features of the Azure portal and its customization options.
- You created, customized, and shared a dashboard

Check your knowledge

1. An Azure dashboard is stored as which type of file?

a. XML
b. JSON
c. PNG

Answer : B

Azure dashboards are stored as JSON files, which allow them to be uploaded and downloaded to share with other members of the Azure directory.

Check your knowledge

2. Azure Advisor provides advice on which of these topics:

a. Creating an Azure account
b. Best Practices and security for your services
c. Using the Azure portal effectively

Answer : B
Azure Advisor is a free service built into Azure that provides recommendations on high availability, security, performance, and cost.

3.True or false : Azure Cloud Shell is an interactive, browser-accessible shell for managing Azure resources?

a. True
b. False

Answer : A
Azure Cloud Shell is an interactive shell for managing Azure resources. You can control and administer all of your Azure resources in the