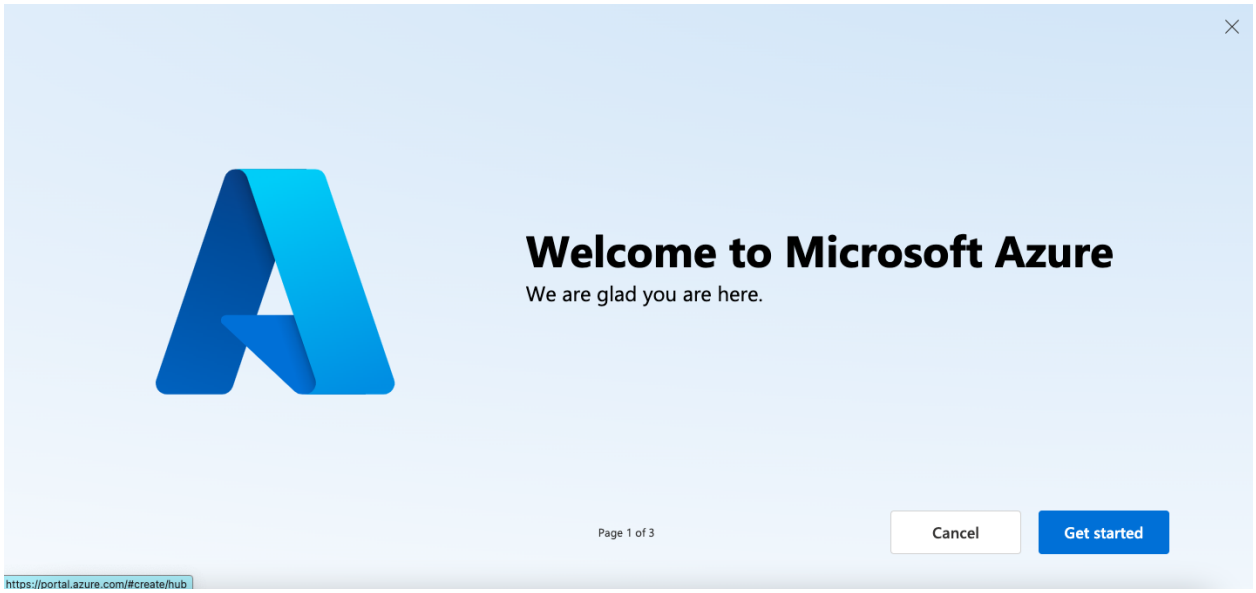
Privileged Identity Management

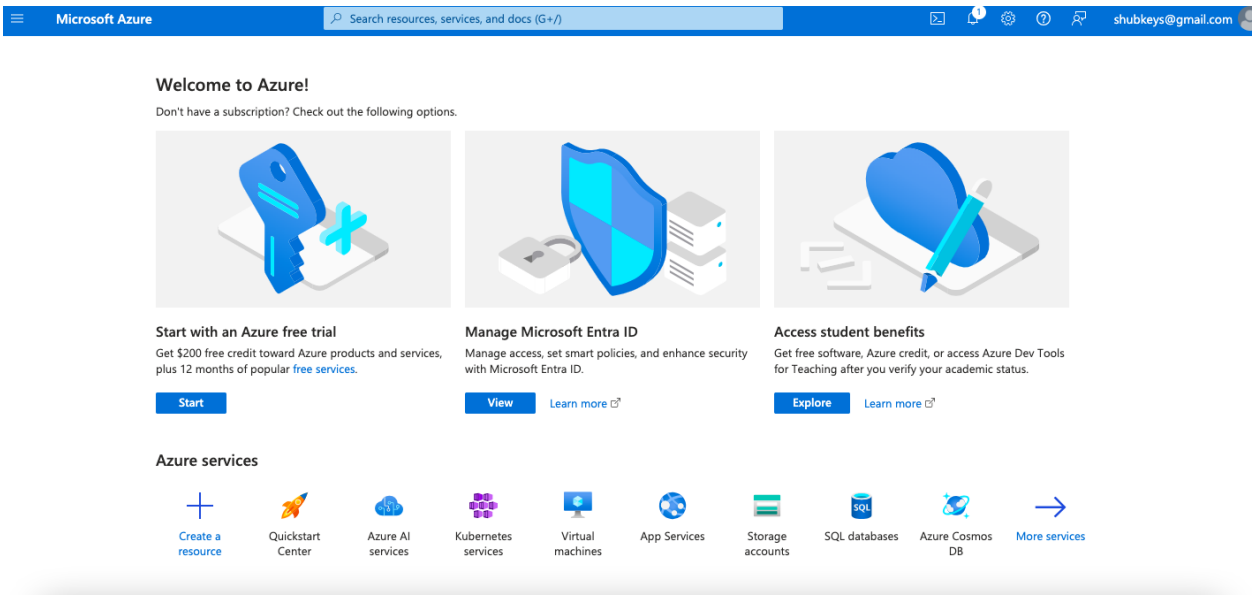
1.1. Verify Azure AD Premium P2 Licenses

1. Sign into the Azure portal: [Azure Portal](https://portal.azure.com)
2. Navigate to Azure Active Directory:
   - In the left-hand navigation pane, select "Azure Active Directory".
3. Check Licenses:
   - Under "Manage", select "Licenses".
   - Click on "All products" to view all your subscriptions.
   - Ensure that the "Azure AD Premium P2" license is listed.
   - If not, acquire the necessary licenses from Microsoft or your licensing provider.
4. Assign Licenses:
   - Still under "Licenses", select "Assign".
   - Choose the users who need PIM access.
   - Click on "Assign" to allocate the licenses.

1.2. Assign Administrative Roles

1. Navigate to Roles and Administrators:
   - In Azure AD, under "Manage", select "Roles and administrators".
2. Assign Roles:
   - Select the role you need to assign (e.g., "Global Administrator" or "Privileged Role Administrator").
   - Click on the role name to open its settings.
   - Click on "Assignments" and then "Add assignment".
   - Search for and select the user(s) you want to assign the role to.
   - Click "Add" to complete the assignment.

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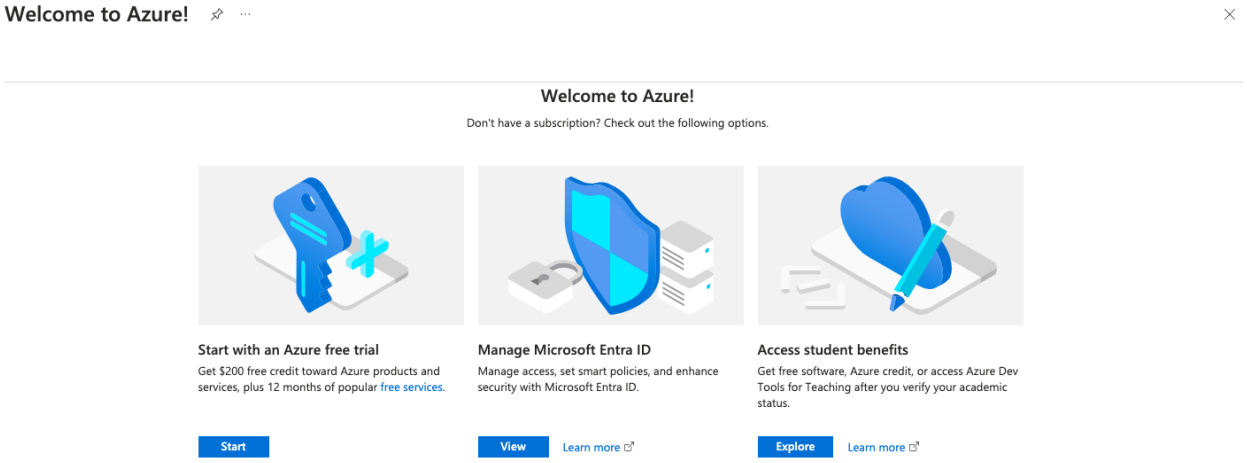
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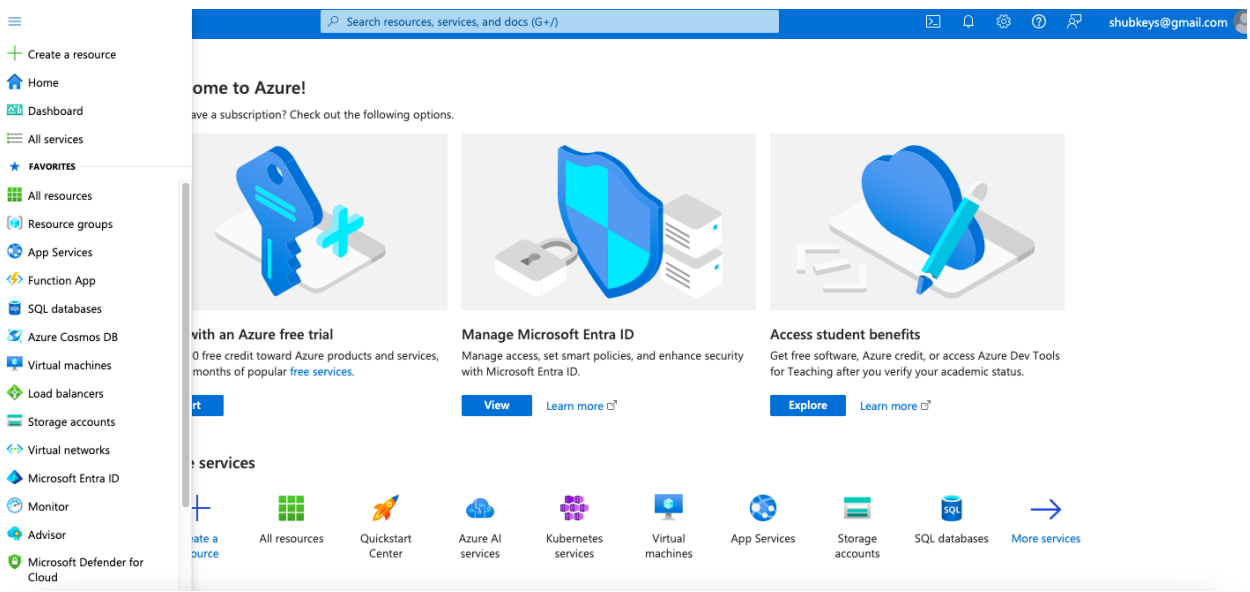
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2. Explore Just-In-Time (JIT) Access

2.1. Enable Just-In-Time Access

1. Navigate to Privileged Identity Management:
   - In the Azure portal, go to "Azure AD" and then select "Privileged Identity Management".
2. Select Role Management:
   - Choose either "Azure AD roles" or "Azure resources" based on your needs.
3. Enable JIT for Roles:
   - Click on "Manage" and then "Roles".
   - Select the role you want to configure for JIT.
   - Click on "Settings".
   - Under "Assignment type", ensure "Eligible" is selected.
   - Configure the settings to require activation, such as multi-factor authentication (MFA) and approval.

2.2. Set Activation Duration

1. Configure Activation Settings:
   - In the role settings, find the "Activation" section.
   - Set the "Maximum activation duration (hours)" to the desired time limit (e.g., 4 hours).
   - Save the changes.

3. Configure Azure Roles in PIM, Including Settings and Assignments

3.1. Navigate to PIM

1. Access Privileged Identity Management:
   - Go to "Azure AD" -> "Privileged Identity Management".

3.2. Select Azure AD Roles

1. Manage Roles:
   - In PIM, select "Azure AD roles".
   - Click on "Manage" -> "Roles".

3.3. Configure Role Settings

1. Select and Configure Role:
   - Choose a role (e.g., "Global Administrator").
   - Click on the role to open its settings.
2. Set Activation Requirements:
   - Under "Settings", configure:
     - Require MFA: Ensure Multi-Factor Authentication is enabled.
     - Justification: Require a reason for activation.
     - Approval: Configure who needs to approve the activation.

3. Set Activation Duration:
   - Define how long the role remains active upon activation.

3.4. Assign Roles

1. Assign Users:
   - Under "Assignments", click "Add assignment".
   - Choose the users to assign the role to.
   - Select the assignment type: "Eligible" or "Active".
   - Click "Add" to finalize.

4. Configure Azure Resources in PIM, Including Settings and Assignments

4.1. Select Azure Resources

1. Manage Resources:
   - In PIM, select "Azure resources".
   - Choose the subscription or resource group to manage.

4.2. Configure Resource Role Settings

1. Select Resource Role:
   - Click on a role (e.g., "Owner") to open its settings.
2. Set Activation Requirements:
   - Under "Settings", configure:
     - Require MFA: Ensure Multi-Factor Authentication is required.
     - Justification: Require a reason for activation.
     - Approval: Set up the approval process.
3. Set Activation Duration:
   - Define the duration the role can be active (e.g., 2 hours).

4.3. Assign Resource Roles

1. Assign Users to Roles:
   - Under "Assignments", click "Add assignment".
   - Select the users and define the assignment type: "Eligible" or "Active".
   - Click "Add" to complete.

5. Configure Privileged Access Groups

5.1. Navigate to Groups in PIM

1. Access Groups:
   - In Azure AD, go to "Groups".
   - Select "Privileged access groups".

5.2. Create and Configure Group

1. Create Group:
   - Click "New group".
   - Provide a name and description for the group.
   - Select "Assigned" as the group type.
   - Under "Privileged access", enable "Azure AD roles can be assigned to the group".
2. Configure Group Settings:
   - Set the group settings to manage privileged access roles.
   - Define the roles (e.g., Owner, Contributor) to be assigned to the group.

5.3. Assign Members to Groups

1. Add Members:
   - Go to the group's "Members" section.
   - Click "Add members".
   - Select users to be added to the group.
   - Define eligibility and activation settings for these users.

6. Set Up PIM Requests and Approval Process

6.1. Configure Approval Workflow

1. Access Approval Settings:
   - In PIM, go to "Azure AD roles" or "Azure resources".
   - Click on "Approval" settings.
2. Define Approvers:
   - Specify the approvers for role activation requests.
   - Ensure approvers have the appropriate permissions.

6.2. Set Up Access Requests

1. Request Access:
   - Users go to "Azure AD" -> "PIM".
   - They select the role or resource they need access to.
   - Submit a request with justification.
2. Approval Process:
   - Approvers receive a notification of the request.
   - Approvers review the request and approve or deny it.

7. Analyze PIM Audit History and Reports

7.1. Access PIM Audit Logs

1. View Audit History:
   - In PIM, go to "Audit history".

- Review logs of role activations, assignments, and approvals.

7.2. Generate Reports

1. Generate Compliance Reports:
  - In the audit history, generate reports based on specific criteria (e.g., time range, user activity).
  - Export reports for compliance and review.

8. Create and Manage Break-Glass Accounts

8.1. Create Break-Glass Accounts

1. Set Up Emergency Accounts:
  - Create dedicated break-glass accounts in Azure AD.
  - Assign high-level privileges (e.g., Global Administrator).
  - Use strong, unique passwords and store them securely (e.g., in a password vault).

8.2. Monitor and Review

1. Regular Reviews:
  - Periodically review the usage and access of break-glass accounts.
  - Implement alerts for any login attempts to these accounts.

9. Explore Eligible and Active Roles

9.1. View Eligible Roles

1. Check Eligible Assignments:
  - In PIM, go to "Assignments".
  - View roles where users have eligible status and can activate the role when needed.

9.2. Manage Active Roles

1. Check Active Assignments:
  - In PIM, view roles currently active.
  - Ensure activations comply with policies.

10. Set the Time Limit of the Roles

10.1. Configure Role Duration

1. Set Activation Time Limit:
  - In PIM, select the role settings.
  - Set the "Maximum activation duration (hours)" to a specific limit (e.g., 1 hour, 4 hours).
  - Save the settings to enforce the time limit.

Access Request and Approval Workflow

Detailed Workflow Process:

1. User Requests Owner Role

1. Submit Role Request:
   - User navigates to "Azure AD" -> "PIM".
   - Selects the subscription and requests the "Owner" role.
   - Provides justification for the request.
   - Submits the request.

2. Approval Process

1. Approve Request:
   - Approver receives a notification of the request.
   - Reviews the request details and justification.
   - Approves or denies the request.
   - User is notified of the decision.

3. User Requests Group Assignment

1. Submit Group Request:
   - User requests to join a privileged access group.
   - Provides justification and submits the request.
2. Approval and Assignment:
   - Approver reviews and approves the group request.
   - User is assigned the "Contributor" role on the subscription upon approval.