



AZURE ACTIVE DIRECTORY

BASIC IMPLEMENTATION

JADHUSAN

INTRODUCTION

In this I'm going to create a Active Directory in Azure and connect my Local PC to that Active Directory.

A tenant represents an organization in Azure Active Directory. It's a dedicated Azure AD service instance that an organization receives and owns when it signs up for a Microsoft cloud service such as Azure

PREREQUISITE

You need to have a Azure Subscription to implement a Tenant and to work with AD.

Note: If you don't have a subscription,

1. You can always create a azure account and get a “free subscription”.
2. If you're a student you can always get a “Student Subscription” by verifying your student email address.

STEPS

1. You must search for TENANT and select that
2. And then you will navigate to the tenant portal

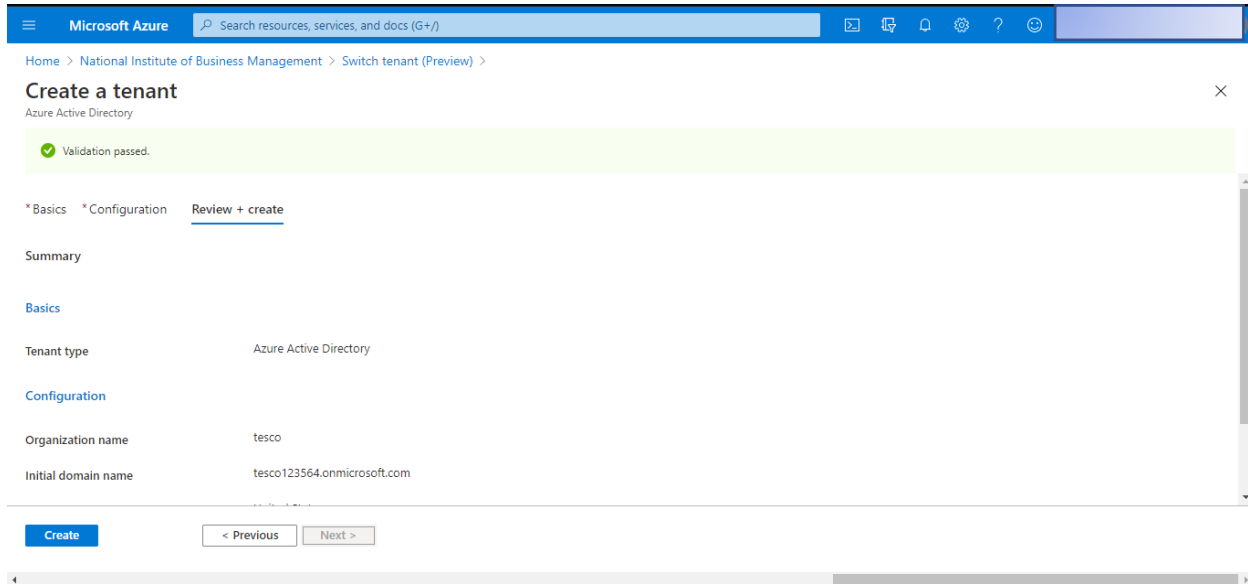
The screenshot shows the 'Create a tenant' page in the Microsoft Azure portal. The page title is 'Create a tenant' with a subtitle 'Azure Active Directory'. The breadcrumb navigation is 'Home > National Institute of Business Management > Switch tenant (Preview) >'. The page has three tabs: '* Basics' (selected), '* Configuration', and 'Review + create'. Below the tabs, there is a message: 'Azure Active Directory and Azure Active Directory (B2C) enable users to access applications published by your organization, and share same administration experiences. [Learn more](#)'. Under the 'Tenant type' section, there is a label 'Select a tenant type *' and two radio buttons: 'Azure Active Directory' (selected) and 'Azure Active Directory (B2C)'. A link 'Help me choose...' is also present. At the bottom, there are three buttons: 'Review + create' (blue), '< Previous' (disabled), and 'Next: Configuration >' (disabled).

Fill with the correct details you want.

In here I have chose **“tesco”** has my name

The screenshot shows the 'Create a tenant' page in the Microsoft Azure portal, specifically the 'Configuration' tab. The page title is 'Create a tenant' with a subtitle 'Azure Active Directory'. The breadcrumb navigation is 'Home > National Institute of Business Management > Switch tenant (Preview) >'. The page has three tabs: '* Basics', '* Configuration' (selected), and 'Review + create'. Under the 'Directory details' section, there is a label 'Configure your new directory'. There are three input fields: 'Organization name *' with the value 'tesco' and a green checkmark; 'Initial domain name *' with the value 'tesco123' and a dropdown arrow, with the text 'tesco123.onmicrosoft.com' displayed below; and 'Country/Region' with a dropdown arrow showing 'United States'. Below these fields, there is a green checkmark and the text 'Datacenter location - United States' and 'Datacenter location is based on the country/region selected above.' At the bottom, there are three buttons: 'Review + create' (blue), '< Previous' (disabled), and 'Next: Review + create >' (disabled).

Check the Validation Message



Microsoft Azure Search resources, services, and docs (G+)

Home > National Institute of Business Management > Switch tenant (Preview) >

Create a tenant

Azure Active Directory

✓ Validation passed.

* Basics * Configuration **Review + create**

Summary

Basics

Tenant type Azure Active Directory

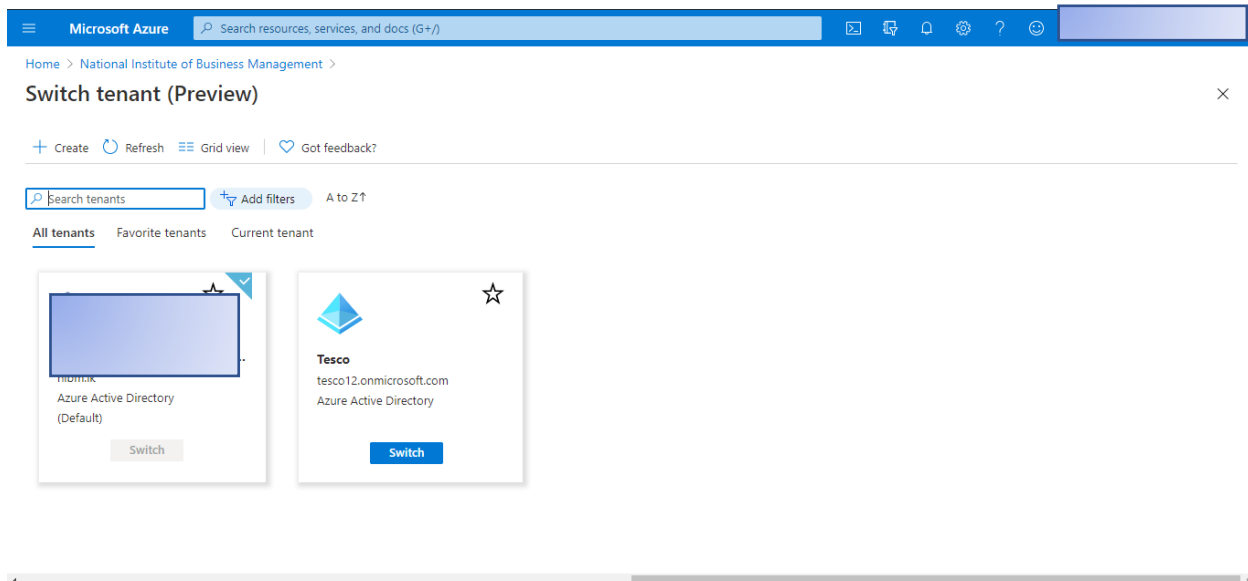
Configuration

Organization name tesco

Initial domain name tesco123564.onmicrosoft.com

Create < Previous Next >

Switch to the New Tenant You Have Created



Microsoft Azure Search resources, services, and docs (G+)

Home > National Institute of Business Management >

Switch tenant (Preview)

+ Create Refresh Grid view Got feedback?

Search tenants Add filters A to Z ↑

All tenants Favorite tenants Current tenant

Azure Active Directory (Default) Switch

Tesco tesco123564.onmicrosoft.com Azure Active Directory Switch

The Tesco Properties

The screenshot shows the 'Tesco | Properties' page in the Microsoft Azure portal. The page is titled 'Tesco | Properties' and is part of the 'Azure Active Directory' section. The left sidebar contains a navigation menu with options: Overview, Getting started, Preview hub, Diagnose and solve problems, Manage, Users, Groups, External identities, Roles and administrators, Enterprise applications, Devices, App registrations, Identity Governance, Application proxy, and Licenses. The main content area displays the 'Tenant properties' section, which includes the following fields:

- Name ***: Tesco (with a green checkmark)
- Country or region**: United States
- Location**: United States datacenters
- Notification language**: English (with a dropdown arrow)
- Tenant ID**: 54f14fc2-7f03-4e29-bcdd-6f1b36af3de0 (with a copy icon)
- Technical contact**: cohndne201f-021@student.nibm.lk (with a green checkmark)
- Global privacy contact**: (with a green checkmark)

At the top of the main content area, there are 'Save' and 'Discard' buttons.

Creating a new User under Tesco

The screenshot shows the 'New user' page in the Microsoft Azure portal for the 'Tesco' tenant. The page is titled 'New user' and is part of the 'Users' section. The left sidebar contains a navigation menu with options: Overview, Getting started, Preview hub, Diagnose and solve problems, Manage, Users, Groups, External identities, Roles and administrators, Enterprise applications, Devices, App registrations, Identity Governance, Application proxy, and Licenses. The main content area displays the 'Identity' section, which includes the following fields:

- User name ***: TescoAlexa (with a green checkmark) @ tesco12.onmicrosoft.com (with a dropdown arrow and a blue icon). A note below the domain says 'The domain name I need isn't shown here'.
- Name ***: Alexa (with a green checkmark)
- First name**: Alexa (with a green checkmark)
- Last name**: (empty field)

Below the 'Identity' section, there is a 'Password' section with two radio buttons:

- ☐ Auto-generate password
- ☒ Let me create the password

At the bottom of the page, there is a blue 'Create' button.

The user profile under Tesco

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and various utility icons. The breadcrumb trail indicates the path: Home > Alexa. The main heading is "Alexa | Profile" with a close button (X). Below the heading, there's a "User" label and a profile picture placeholder with the letters "AL". A list of actions is provided: Edit, Reset password, Revoke sessions, Delete, Refresh, and Got feedback?. The left sidebar contains a "Manage" section with options: Profile (selected), Assigned roles, Administrative units (Preview), Groups, Applications, Licenses, Devices, Azure role assignments, and Authentication methods. The main content area displays the user's email "TescoAlexa@tesco12.onmicrosoft.com", a "User Sign-ins" link, and a "Group memberships" count of 1. A chart shows sign-in activity from August 16 to September 6. Below this, the "Identity" section is visible, showing fields for Name (Alexa), First name (Alexa), Last name (.. ..), User Principal Name (TescoAlexa@tesco12.onmicrosoft.com), User type (Member), Object ID (b5a50805-f218-4369-8755-a67ea...), and Source (Azure Active Directory).

The Roles Assigned to the User

The screenshot shows the Microsoft Azure portal interface for the "Assigned roles" page. The breadcrumb trail is Home > Tesco > Users > Alexa. The main heading is "Alexa | Assigned roles" with a close button (X). The left sidebar shows the "Manage" section with "Assigned roles" selected. The main content area displays "Administrative roles" with a description: "Administrative roles can be used to grant access to Azure AD and other Microsoft services. Learn more". There is a search bar and an "Add filters" button. A table lists the assigned roles:

Role	Description	Resource Name	Resource Type	Type
Compliance administrator	Can read and manage compliance configuration...	Directory	Organization	Built-in
Compliance data administrator	Can create and manage compliance content.	Directory	Organization	Built-in
Conditional Access administrator	Can manage conditional access capabilities.	Directory	Organization	Built-in
Desktop Analytics administrator	Can access and manage Desktop management t...	Directory	Organization	Built-in
Dynamics 365 administrator	Can manage all aspects of the Dynamics 365 pro...	Directory	Organization	Built-in
Exchange administrator	Can manage all aspects of the Exchange product.	Directory	Organization	Built-in
External ID user flow administrator	Can create and manage all aspects of user flows.	Directory	Organization	Built-in
External ID user flow attribute administrator	Can create and manage the attribute schema av...	Directory	Organization	Built-in
External Identity Provider	Can configure identity providers for use in direct...	Directory	Organization	Built-in

The List of Roles can be given for a particular users as the admin wants.

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains navigation links for 'Home', 'Tesco', 'Users', and 'Alexa'. The main content area is titled 'Directory roles' and displays a list of administrative roles that can be assigned to the user. The roles are listed in a table with columns for 'Role' and 'Description'. The roles include Application administrator, Authentication administrator, Azure DevOps administrator, Azure Information Protection administrator, B2C IEF Keyset administrator, B2C IEF Policy administrator, Billing administrator, Cloud application administrator, and Cloud device administrator. A search bar at the top of the roles list contains the text 'administrator'. A blue 'Add' button is visible at the bottom of the roles list.

Role	Description
Application administrator	Can create and manage all aspects of app registrations and enterprise apps.
Authentication administrator	Has access to view, set, and reset authentication method information for any n...
Azure DevOps administrator	Can manage Azure DevOps organization policy and settings.
Azure Information Protection administrator	Can manage all aspects of the Azure Information Protection product.
B2C IEF Keyset administrator	Can manage secrets for federation and encryption in the Identity Experience Fr...
B2C IEF Policy administrator	Can create and manage trust framework policies in the Identity Experience Fra...
Billing administrator	Can perform common billing related tasks like updating payment information.
Cloud application administrator	Can create and manage all aspects of app registrations and enterprise apps exc...
Cloud device administrator	Full access to manage devices in Azure AD.

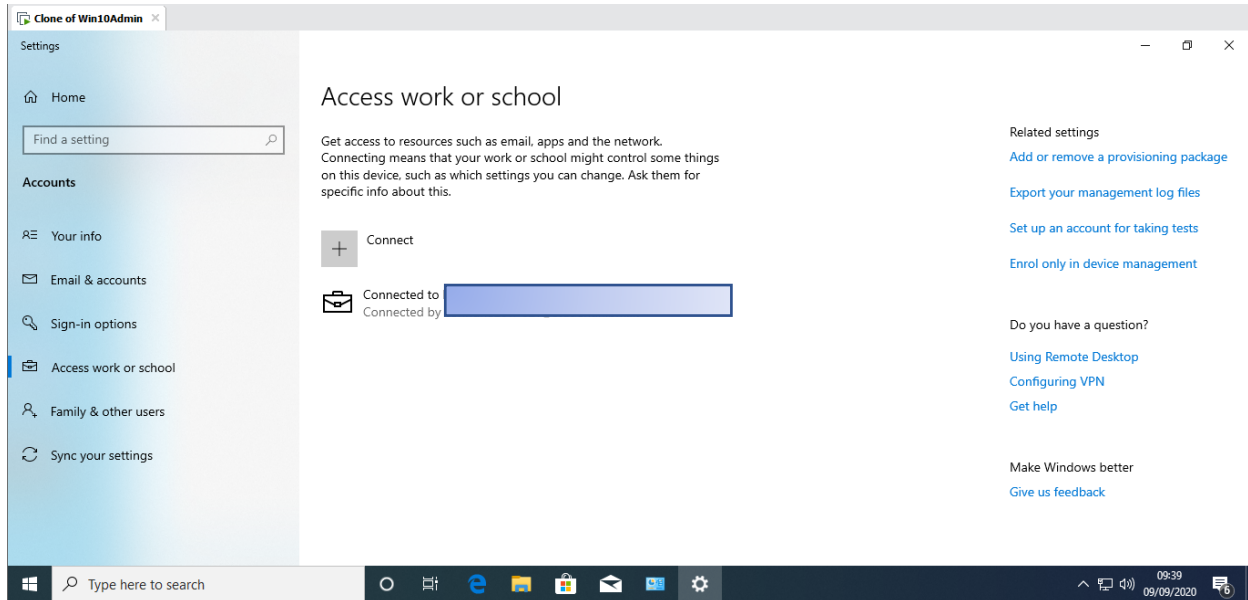
Tesco Groups of Administrator

The screenshot shows the Microsoft Azure portal interface for the 'Administrator' group. The left sidebar contains navigation links for 'Home', 'Tesco', 'Groups', and 'Administrator'. The main content area is titled 'Administrator' and displays the group's properties. The properties are listed in a table with columns for 'Property' and 'Value'. The properties include Membership type (Assigned), Source (Cloud), Type (Security), Object Id (e551166d-7bff-4d12-b27b-c8a7afab1191), and Creation date (9/9/2020, 3:18:56 PM). A red 'AD' icon is visible next to the group name. A 'Copy to clipboard' button is visible next to the Object Id field.

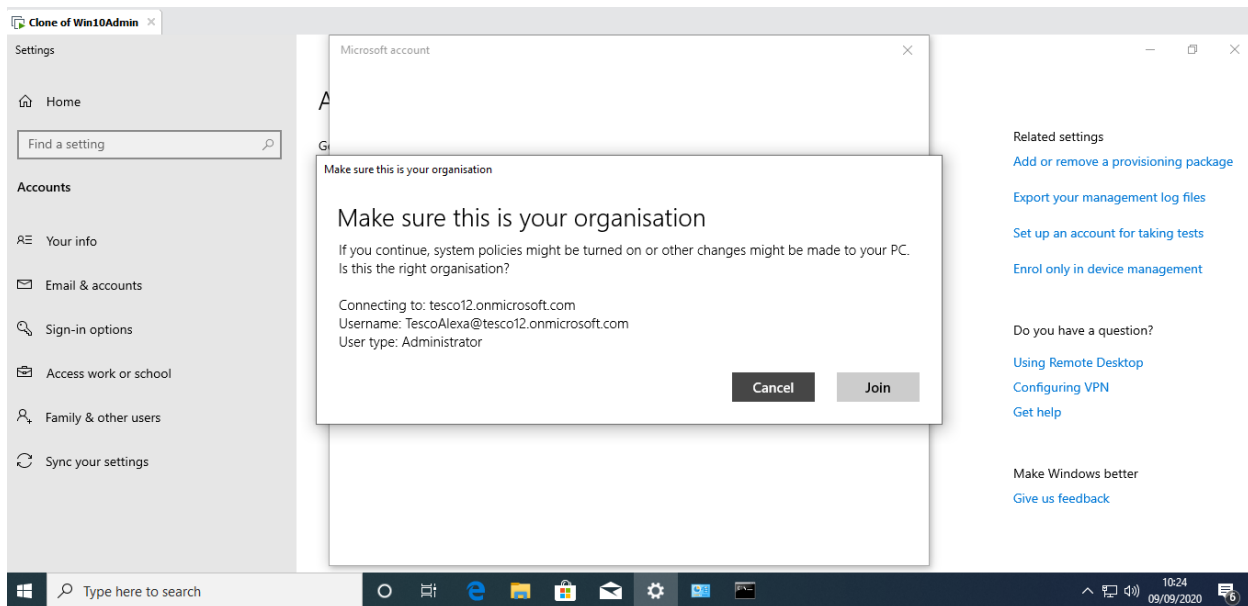
Property	Value
Membership type	Assigned
Source	Cloud
Type	Security
Object Id	e551166d-7bff-4d12-b27b-c8a7afab1191
Creation date	9/9/2020, 3:18:56 PM

Now I'm about to join my Local PC which must have Internet access

And now I will join the AD which I created in Azure



By Giving the correct Credential of the user I created earlier, now I can join the Tenant



JOINED SUCCESFULLY

