IAITAM ACE 2025
ITAM - Another Brick In The Wall

Unlocking the Power of Software Licensing:

Streamlining with Automated Provisioning in Entra

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  Mining

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Agenda

- Understanding Automated Provisioning and Its Benefits

- The Mechanics Behind Automated Provisioning

- Exploring the Key Publishers in Automated Provisioning

- Preparing for Successful Automated Provisioning Implementation

- Exploring Automation and Reporting Features and Options

- Q&A: Let's Discuss Your Questions and Thoughts

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Understanding Automated Provisioning and Its Benefits

Feature within Entra (Formerly Azure AD) Enterprise Applications

Automates the process of user accounts:

- Creating – creates user accounts when added.

- Managing - synchronizes updates and changes.

- Deactivating – deactivates user when no longer needed.

Streamlines lifecycle management:

- Reduces manual allocation, increasing efficiency.

- Removes license automatically.

Enhances Security:

- Reduces access risks.

- Tracks and audits changes.

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The Mechanics Behind Automated Provisioning

- Automated Provisioning is the integration between your organisations **Entra Portal** and the **Publisher Portal.**

Microsoft Entra ID → ~40 min → Portal

- The integration is commonly set up using the **SCIM 2.0 Standard.**
- **Entra Enterprise Application Gallery** provides pre-intergrated provisioning connectors
- Entra can also support automated provisioning for SaaS platforms that support SCIM 2.0 user management (not covered in this session).

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Steps to Verify and Set Up Automated Provisioning in Entra

1. **Verify** automated provisioning is available

2. Set up your **Users and Groups** for access to the platform

3. **Configure** Automated Provisioning

    The following steps can only be preformed by Global Admin, Cloud Application Administrator or Application Administrator roles in Entra;

    - **Add the Application** from the Entra Gallery.

    - **Add the Admin credentials** of the SaaS platform to Entra.

    - **Configure Attribute Mapping:** to sync relevant data.

    - **Add the Users or Groups:** choose which users or groups you want to sync.

    - **Turn on Automated Provisioning:** this will enable the provisioning and start syncing the groups and users.

4. After syncing, **log into the portal and assign the license** to the group.
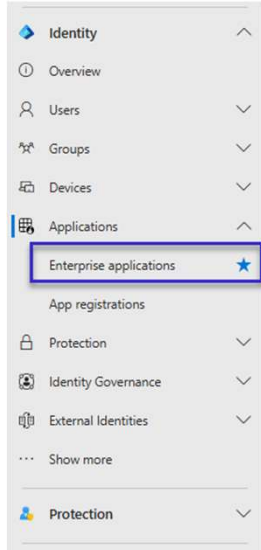
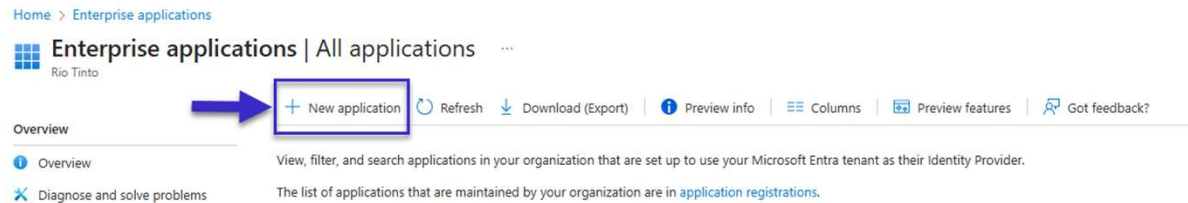April 22-24, 2025 | The M Resort Spa Casino | Las Vegas, NV

Exploring Publishers with Automated Provisioning
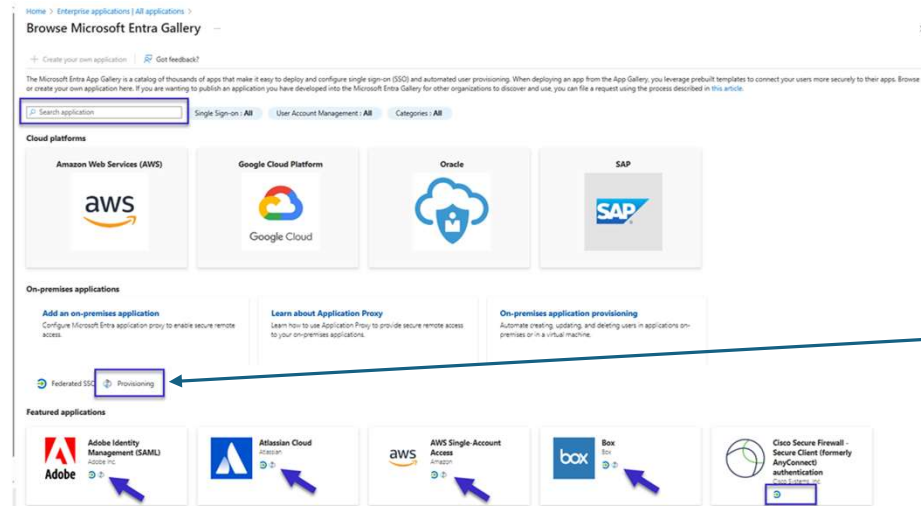
Applications > Enterprise Applications > New Application

1

Identity
- Overview
- Users
- Groups
- Devices
- Applications
  - Enterprise applications ★
  - App registrations
- Protection
- Identity Governance
- External Identities
- ... Show more
- Protection

2

Home > Enterprise applications

Enterprise applications | All applications ...
Rio Tinto

+ New application | Refresh | Download (Export) | Preview info | Columns | Preview features | Got feedback?

Overview
- Overview — View, filter, and search applications in your organization that are set up to use your Microsoft Entra tenant as their Identity Provider.
- Diagnose and solve problems — The list of applications that are maintained by your organization are in application registrations.

2

Home > Enterprise applications | All applications >

Browse Microsoft Entra Gallery

+ Create your own application | Got feedback?

The Microsoft Entra App Gallery is a catalog of thousands of apps that make it easy to deploy and configure single sign-on (SSO) and automated user provisioning. When deploying an app from the App Gallery, you leverage prebuilt templates to connect your users more securely to their apps. Browse or create your own application here. If you are wanting to publish an application you have developed into the Microsoft Entra App Gallery for other organizations to discover and use, you can file a request using the process described in this article.

[Search application] | Single Sign-on : All | User Account Management : All | Categories : All

Cloud platforms

| Amazon Web Services (AWS) | Google Cloud Platform | Oracle | SAP |
| aws | Google Cloud | | SAP |

On-premises applications

| Add an on-premises application | Learn about Application Proxy | On-premises application provisioning |
| Configure Microsoft Entra application proxy to enable secure remote access. | Learn how to use Application Proxy to provide secure remote access to your on-premises applications. | Automate creating, updating, and deleting users in applications on-premises or in a virtual machine. |

Federated SSO | Provisioning

Featured applications

| Adobe Identity Management (SAML) Adobe Inc | Atlassian Cloud Atlassian | AWS Single-Account Access Amazon | Box Box | Cisco Secure Firewall - Secure Client (formerly AnyConnect) authentication |

Automated Provisioning Symbol

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Preparing for Successful Automated Provisioning Implementation

1. **Read the Configuration Guides Thoroughly**

   - Each SaaS platform has different requirements

2. **Validate attribute mapping**

3. **Consider Any Implications**

   - Example: If the Publishers portal required email instead of UPN, you may need to register additional domains in the SaaS platform.

Attribute Mappings
Attribute mappings define how attributes are synchronized between Microsoft Entra ID and SnowFlake

| SnowFlake Attribute	Microsoft Entra ID Attribute	Matching precedence	Edit	Remove
userName	userPrincipalName	1	Edit	Delete
active	Not([IsSoftDeleted])		Edit	Delete
displayName	displayName		Edit	Delete
name.givenName	givenName		Edit	Delete
name.familyName	surname		Edit	Delete
externalId	objectId		Edit	Delete
emails[type eq "work"].value	mail		Edit	Delete

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Preparing for Successful Automated Provisioning Implementation

Users vs Groups

Automated Provisioning can provision Users or Groups, but Groups have a number of advantages:

- **Greater Control:** The Owner of an Entra group can change the user in the group, this gives greater control, without additional access.

- **Integration:** Groups can be configured with request management systems.

- **Enhanced Audit capabilities:** Track who and when users are being added and removed from groups.

- **Additional Automation and Reporting** capabilities.

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Preparing for Successful Automated Provisioning Implementation

Entra Groups

- **Transparent Group Naming:** the name given in Entra will be synced to the portal.

- **License Assignment to Groups:** every user added to the group will get the license.

- **Group for Admins/unlicensed users:** users who need access to the portal, but not a licence.

Entra
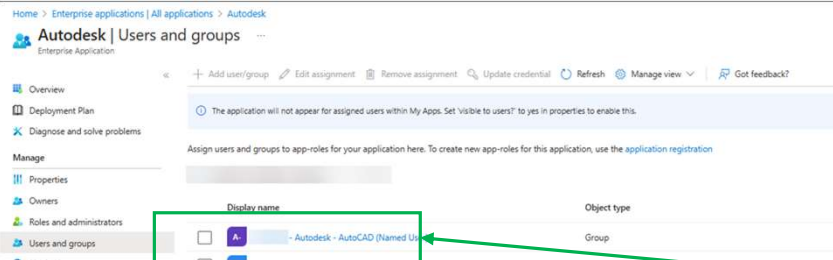
Portal
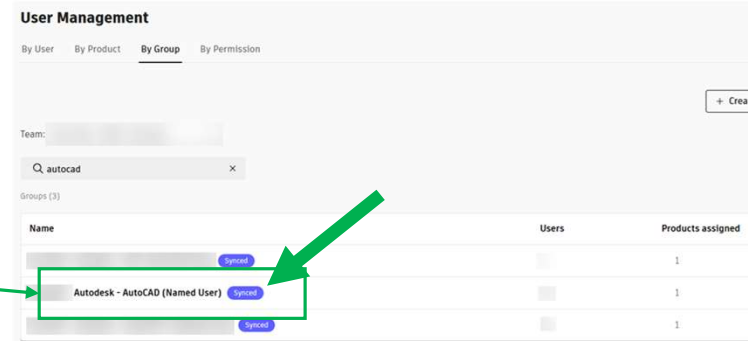
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Exploring Automation and Reporting Features and Options

Automation

- **Daily Compliance Check:** Set up automated workflows to check and ensure compliance on a daily basis.

- **Notification of License Assignment:** Automatically send notifications when licenses are assigned or updated.

- **Check for Conflicting Licenses:** Automatically check if a user has any conflicting or duplicate licenses.

- **Provisioned/On-Demand License Tracking:** Enable license to be assigned on a time limited basis (where allowed).

Exploring Automation and Reporting Features and Options

Reporting

- **Trending Analysis:** Provide insight on the license consumption vs entitlement.

- **Usage Analysis:** Connect with install and/or usage dataset to identify usage patterns and reclamation opportunities.

- **User Transparency:** Offer visibility into license usage across the organization, segmented by department, user type, and other relevant criteria.

- **Budget & Forecasting:** Leverage Trending Analysis to predict future license needs and budget requirements.

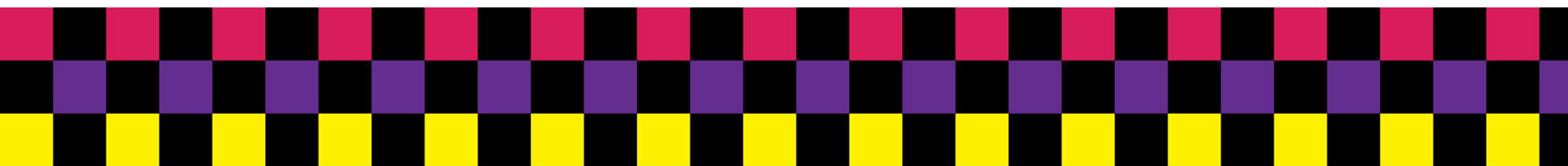April 22-24, 2025 | The M Resort Spa Casino | Las Vegas, NV

In Summary

- **Automated Provisioning:** Automates the creation, management, and deletion of user accounts in Publisher Portals, streamlining user lifecycle management.
- **Entra Gallery:** Publishers with Automated Provisioning capabilities are available in the Entra Gallery for easy integration.
- **Group Management:** Enabling groups allows you to centrally manage user licenses directly from Entra.
- **Automated Notifications:** Once enabled, you can set up automated notifications for compliance and any changes to user accounts.
- **Tracking & Reporting:** Use data to track compliance and provide comprehensive reports on usage and license requirements to support better decision-making in your organization.

Q&A

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Connect with Me!

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