



AZURE COST MANAGEMENT INTEGRATION GUIDE

Quick guide for easy setup of required steps to integrate Azure Cost Management (ACM) and the intellify ACM Analytics service.

Estimated configuration time:

- Azure Expert: 5 - 10 minutes
- Average: 10 - 20 minutes

Requirements:

- Azure Administrator privileges required to complete step 1 and 2.
 - If you do not have access, ask your Azure Administrator to carry out these steps and anyone can complete step 3.



THREE EASY STEPS

1. Setup application registration
2. Grant Cost Management access
3. Setup intellify integration

Get in control of your Azure cost and gain insights into your Azure resources. Analytics to manage your Azure infrastructure cost-optimized.

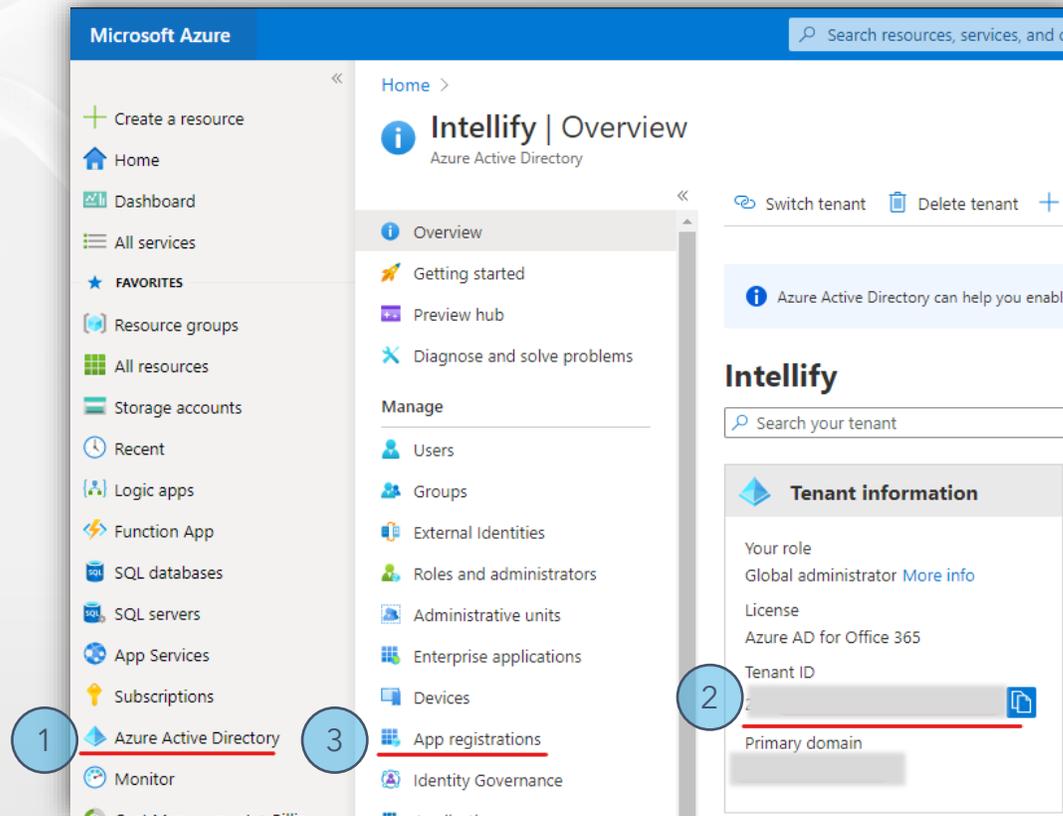
1. SETUP APPLICATION REGISTRATION



// CREATE SERVICE PRINCIPAL APPLICATION IN AZURE AD TENANT (1/4)

Sign in to Azure Portal (<https://portal.azure.com>) and switch to the Azure tenant containing the subscription to extract cost data from.

- 1 Click on **Azure Active Directory**
- 2 Take note of the **Tenant ID** and
- 3 click on **App registrations**.

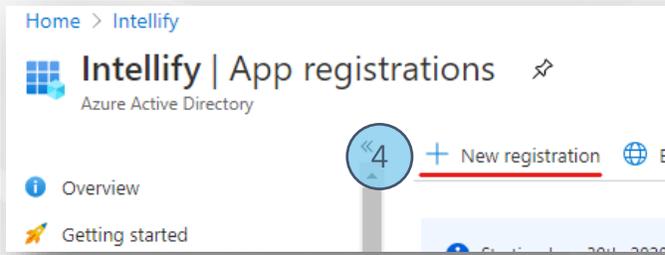


1. SETUP APPLICATION REGISTRATION

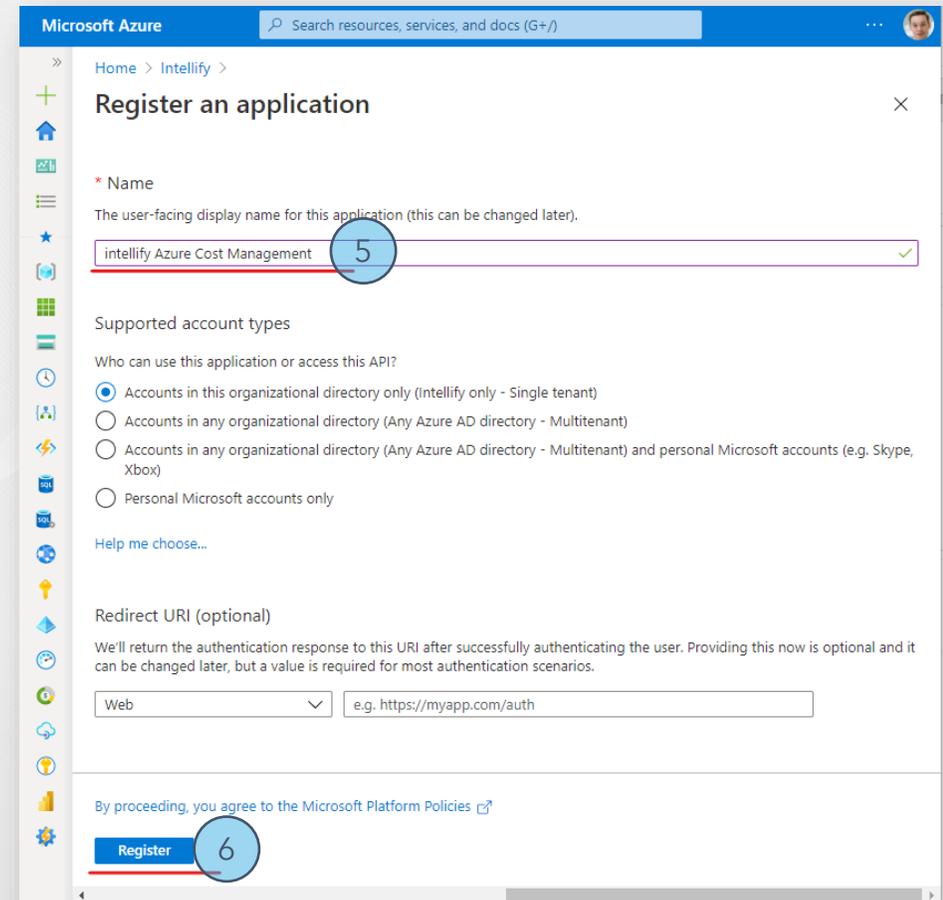


// CREATE SERVICE PRINCIPAL APPLICATION IN AZURE AD TENANT (2/4)

4 Click **New registration**.



5 Register application with below values. 6 Click **Register**.



1. SETUP APPLICATION REGISTRATION IN AZURE



// CREATE SERVICE PRINCIPAL APPLICATION IN AZURE AD TENANT (3/4)

7 Take note of **client ID** and 8 click **Certificates & secrets**. 9 Click **+ New client secret** and 10 enter the below input.

Home > Intellify >

intellify Azure Cost Management

Search (Ctrl+ /) << Delete Endpoints Preview features

Overview

Quickstart

Integration assistant | Preview

Manage

Branding

Authentication

Certificates & secrets

Token configuration

Essentials

Display name : intellify Azure Cost Management

7 Application (client) ID : [REDACTED]

Directory (tenant) ID : [REDACTED]

Object ID : [REDACTED]

Welcome to the new and improved App registrations. Looking to learn more?

Starting June 30th, 2020 we will no longer add any new features to App registrations. Applications will need to be upgraded to Microsoft Authentication Library.

Certificates & secrets

Upload certificate

Token configuration

API permissions

Expose an API

Owners

Roles and administrators | Preview

Manifest

Support + Troubleshooting

Troubleshooting

New support request

Thumbprint

No certificates have been added.

Client secrets

A secret string that the application can use to authenticate and access resources from Microsoft 365, Azure, or your on-premises data source.

9 + New client secret

Description

10

Add a client secret

Description

intellify Azure Cost Management

Expires

In 1 year

In 2 years

Never

Add Cancel

1. SETUP APPLICATION REGISTRATION IN AZURE



// CREATE SERVICE PRINCIPAL APPLICATION IN AZURE AD TENANT (4/4)

11 Copy **Client secret** and take note of it.

Client secrets

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Description	Expires	Value
intellify Azure Cost Manageme...	12/31/2299	11

12 You should now have obtained the following information:

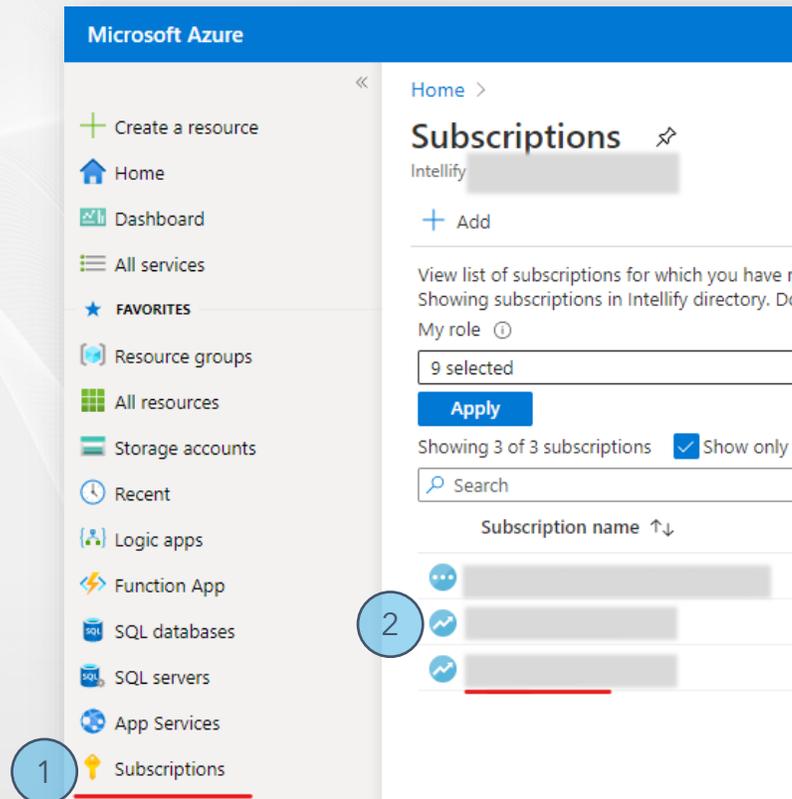
Service Principal Application Name → "intellify Azure Cost Management"
Client ID → *****
Client Secret → *****
Tenant ID → *****

Congratulations your application registration is now completed!
Continue to section 2 "Grant Cost Management Access".

2. GRANT COST MANAGEMENT ACCESS

// ADD SERVICE PRINCIPAL APPLICATION TO COST MANAGEMENT READER ROLE IN SUBSCRIPTION (1/4)

- 1 In the Azure Portal click on **Subscriptions*** and
- 2 select the subscription to extract cost management data from.

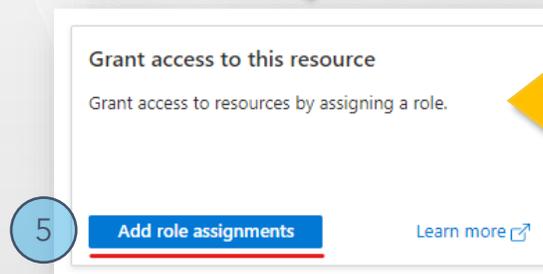
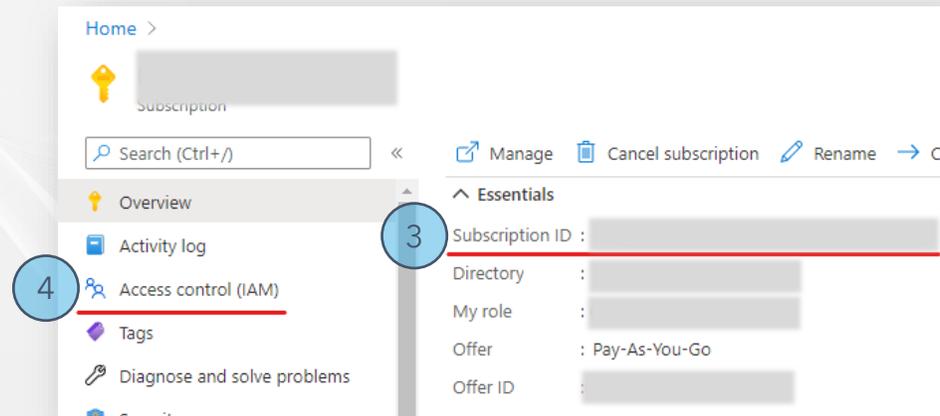


* Note: if subscription menu bullet is not available, it is possible to search for "subscriptions" in the top search bar in the Azure Portal.

2. GRANT COST MANAGEMENT ACCESS

// ADD SERVICE PRINCIPAL APPLICATION TO COST MANAGEMENT READER ROLE IN SUBSCRIPTION (2/4)

③ Take note of the **Subscription ID** and ④ click **Access control (IAM)**. Thereafter ⑤ click **Add Role assignments**.



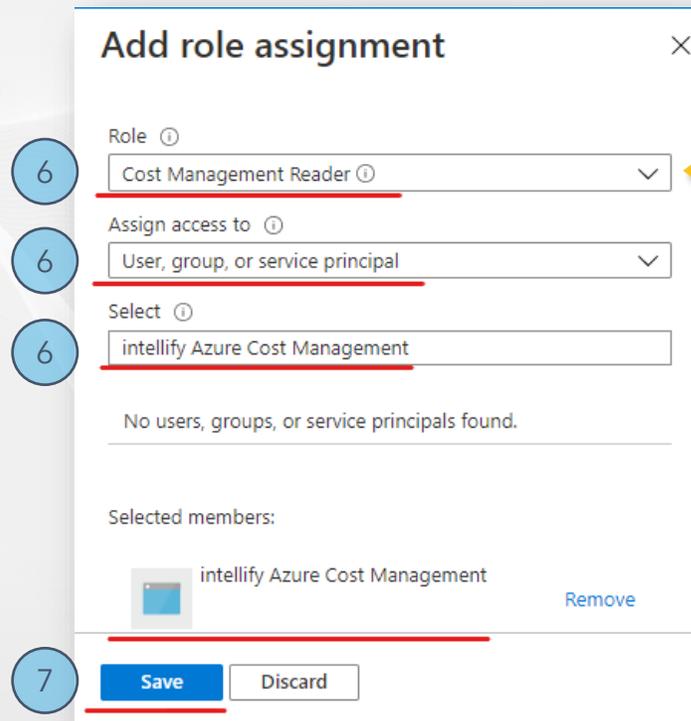
You need to repeat step 5 to add three role assignments (see details next page):

- Cost Management Reader
- Reader
- Billing Reader

2. GRANT COST MANAGEMENT ACCESS

// ADD SERVICE PRINCIPAL APPLICATION TO COST MANAGEMENT READER ROLE IN SUBSCRIPTION (3/4)

⑥ Add role assignment for service principal application with below configuration*. ⑦ Finally click **save**.



Add role assignment

Role ⑥
Cost Management Reader ⑥

Assign access to ⑥
User, group, or service principal ⑥

Select ⑥
intellify Azure Cost Management ⑥

No users, groups, or service principals found.

Selected members:

intellify Azure Cost Management Remove

⑦ Save Discard



You need to repeat step 6 and 7 to add the following three roles:

- Cost Management Reader
- Reader
- Billing Reader

This will grant access to relevant data: tags, cost, budget and forecast data.

* If you have given the service principal application a different name from "intellify Azure Cost Management" use that instead.

2. GRANT COST MANAGEMENT ACCESS



// ADD SERVICE PRINCIPAL APPLICATION TO COST MANAGEMENT READER ROLE IN SUBSCRIPTION (4/4)

⑧ You should now have obtained the below information.

Client ID → *****
Client Secret → *****
Tenant ID → *****
Subscription ID → *****

Congratulations your application has now been granted read access!

Continue to the last section "Setup intellify Integration".

Above information is required when you configuring a new Azure Cost Management integration in the intellify Azure Cost Management Analytics service.

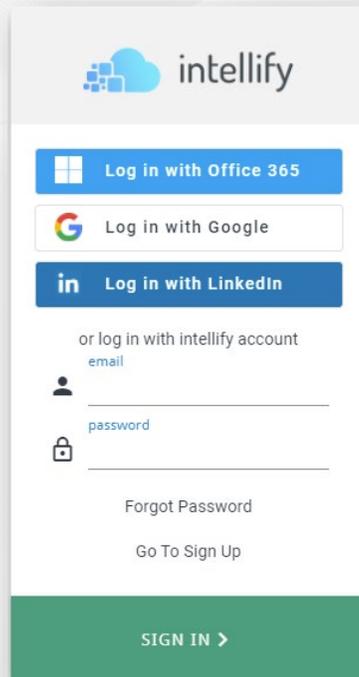
If you have any questions or need help with the configuration, please contact intellify and we assist you in the setup of one or more new Azure Cost Management integration(s).

3. SETUP INTELLIFY INTEGRATION



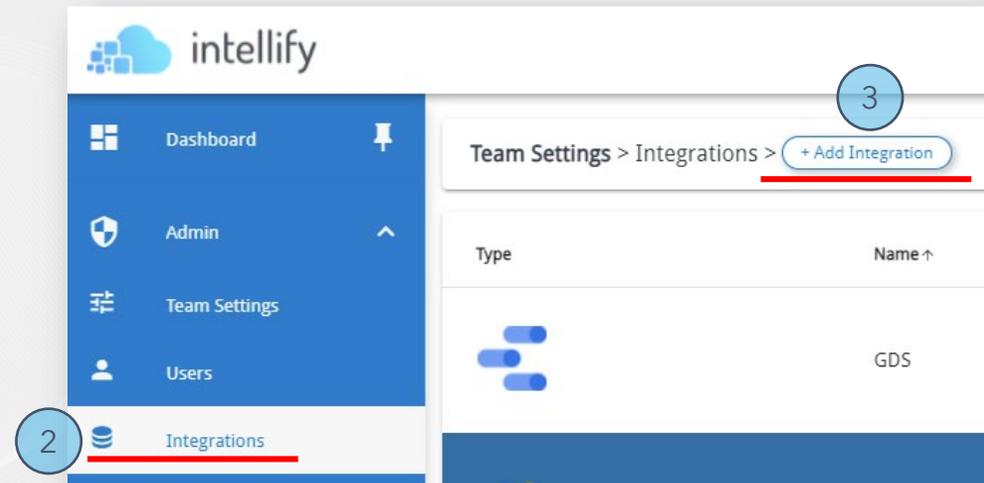
// INTEGRATE PRINCIPAL APPLICATION WITH INTELLIFY ACM SERVICE (1/3)

- 1 Sign in to the intellify Xperience service.
<https://app.intellify.cloud>



Use preferred authentication method:
Azure AD / Office 365, Google,
LinkedIn or intellify account.

- 2 Click **Integrations** and 3 click **+ Add Integration**.



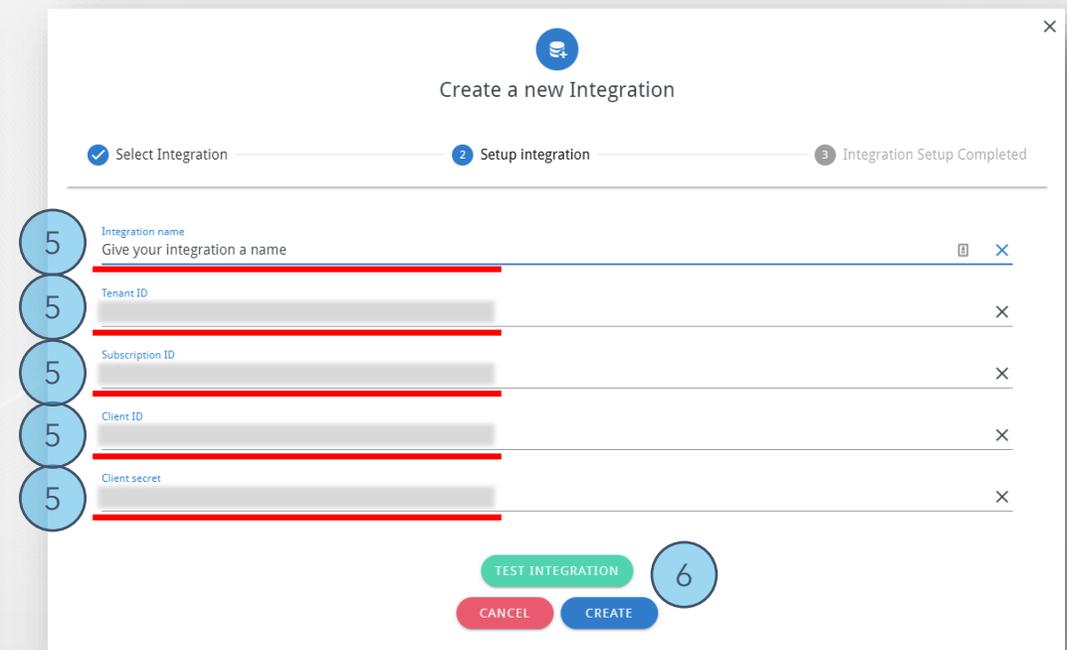
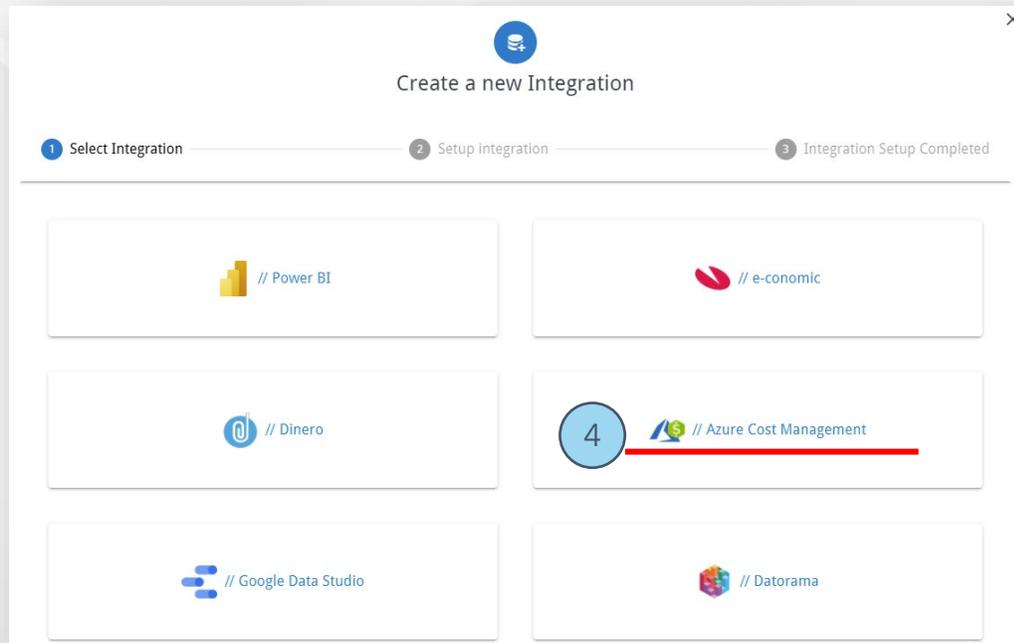
3. SETUP INTELLIFY INTEGRATION

// INTEGRATE PRINCIPAL APPLICATION WITH INTELLIFY ACM SERVICE (2/3)

4 Click **Azure Cost Management**.

5 Enter **Integration name** and **enter the information*** obtained in section 2 "Grant Cost Management access".

6 Click **Create**.
*Optionally you can first click **Test Integration** to verify that it works.*

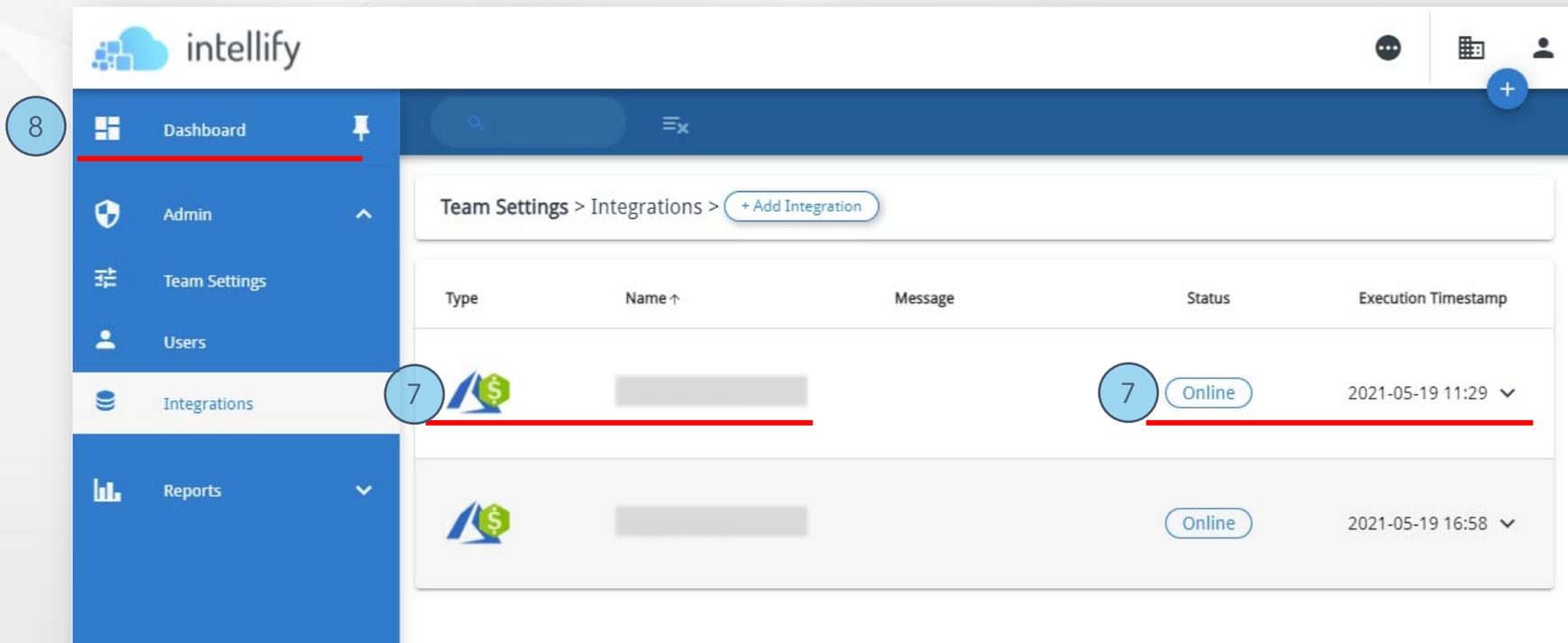


* Tenant ID, Subscription ID, Client ID and Client secret.

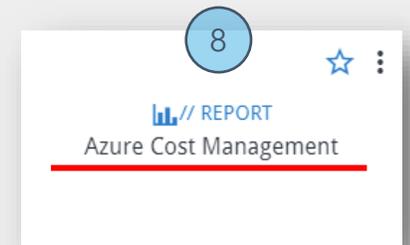
3. SETUP INTELLIFY INTEGRATION

// INTEGRATE PRINCIPAL APPLICATION WITH INTELLIFY ACM SERVICE (3/3)

- 7 Once created the Azure Cost Management Integration will appear in the integration list. You will be able to see the status of the integration (once ready it will have status: Online*). In the list you can see the last refresh execution timestamp.
- 8 Once ready click **Dashboard** and locate the **Azure Cost Management** report - Enjoy!



The screenshot shows the Intellify dashboard interface. On the left, a navigation sidebar contains items: Dashboard, Admin, Team Settings, Users, Integrations, and Reports. The 'Integrations' item is highlighted with a red underline and a circled '8'. The main content area displays 'Team Settings > Integrations > + Add Integration'. Below this is a table with the following columns: Type, Name, Message, Status, and Execution Timestamp. The first row in the table is highlighted with a red underline and a circled '7'. It shows an integration with a status of 'Online' and an execution timestamp of '2021-05-19 11:29'.



The screenshot shows a report card for 'Azure Cost Management'. The card has a white background with a blue header area containing the text 'REPORT' and 'Azure Cost Management'. A circled '8' is located in the top right corner of the card.

* Please note that the first time the model is processed it can take some time depending on the amount of data in your subscription.

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