Azure Blob Storage Connector
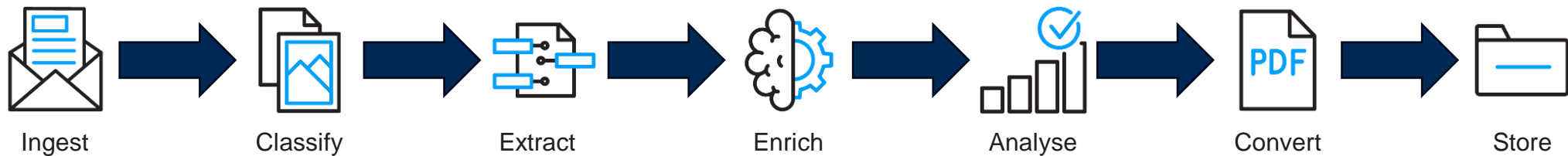
For TotalAgility & RPA

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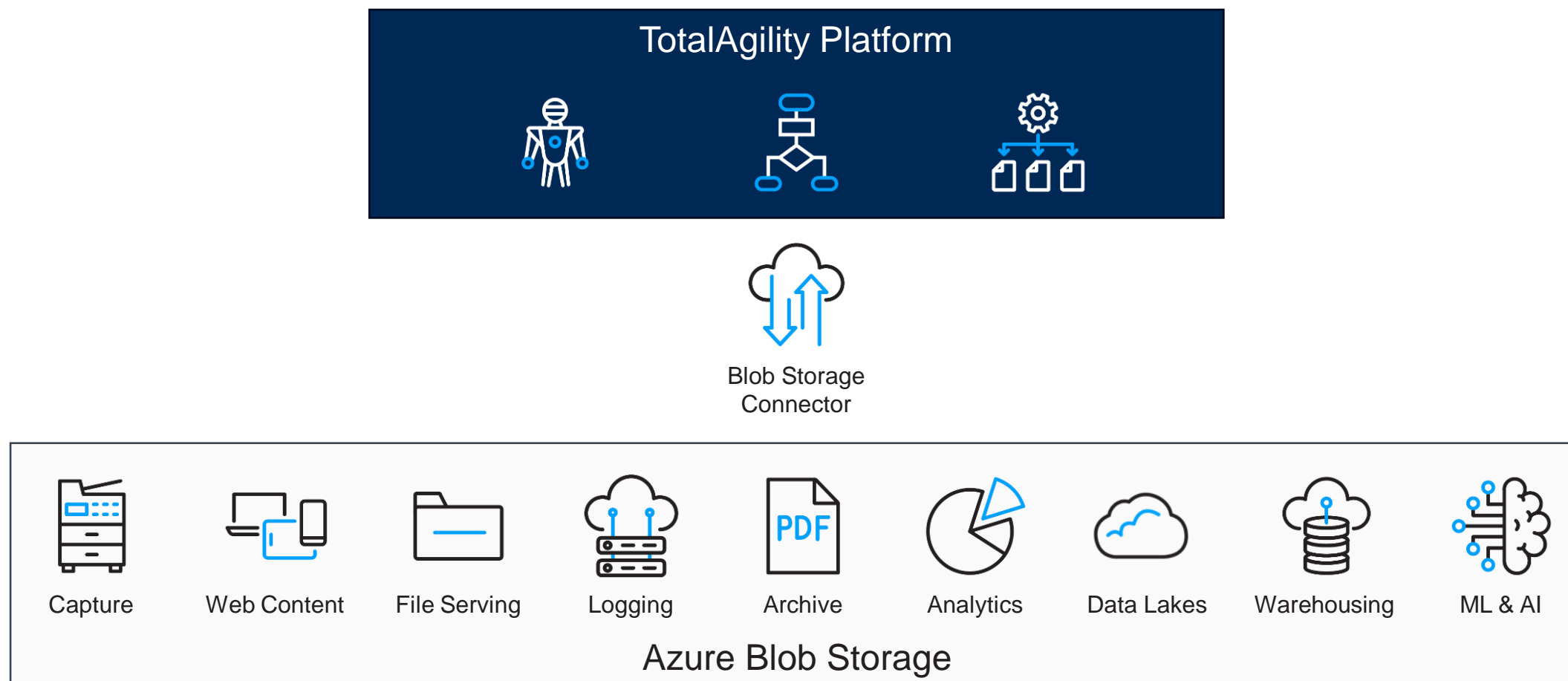**TUNGSTEN AUTOMATION** FORMERLY **KOFAX**

Agenda

- TotalAgility use cases for Azure Blob Storage

- Connector Architecture

- Calling the Connector in TotalAgility

- Connector Details

- Getting the Connector on the Marketplace

- Deploying the Connector Function

- Importing the TA Project

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Use Cases for Azure Blob Storage

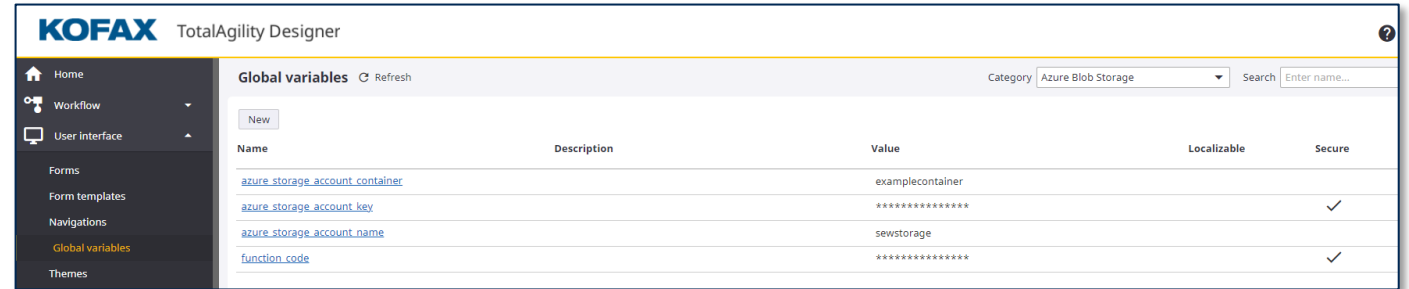**TotalAgility Platform**

Ingest → Classify → Extract → Enrich → Analyse → Convert → Store

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Use Cases for Azure Blob Storage

TotalAgility Platform

Blob Storage
Connector

Capture · Web Content · File Serving · Logging · Archive · Analytics · Data Lakes · Warehousing · ML & AI

Azure Blob Storage

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Connector Architecture

- Deploys as an Azure Serverless Function
  - Low cost (pay as you go, 1m requests per month for free)
  - Highly Scalable
  - Stateless
  - Synchronous
  - Transient (retains no data)
  - Deploy in any Azure region

- Accepts JSON over HTTPS

- Implemented in node.js

- Integrates with Blob Storage using Web Services
  - Via the node.js client library for Azure Blob Storage

- TotalAgility Custom Services & Data Models

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Connector Details
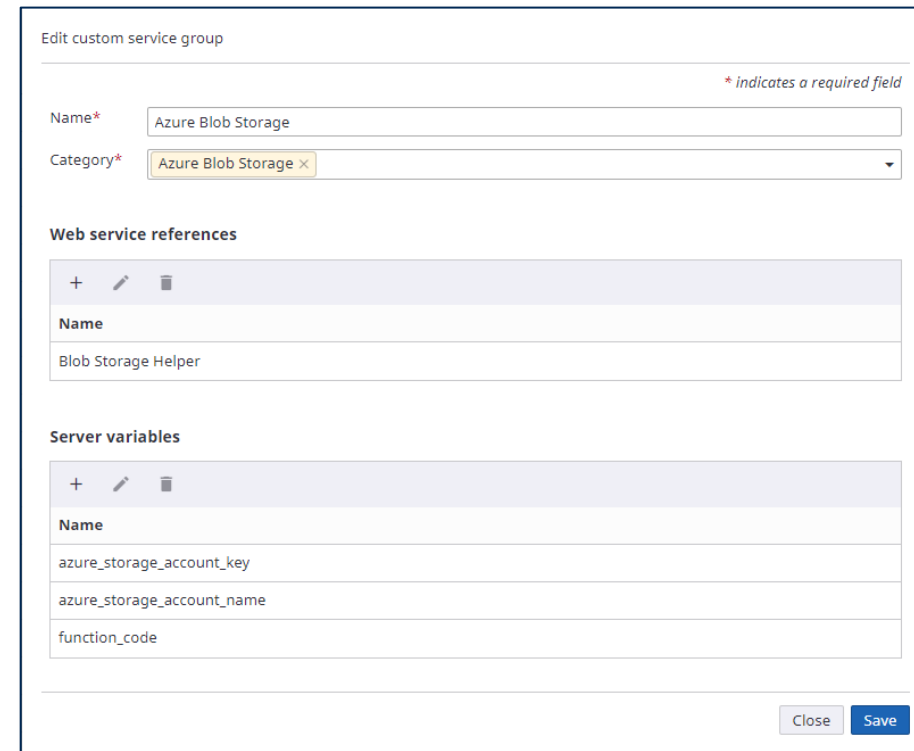
- Category

- Global form variables

- Custom Service Group
  - REST Web Service Reference for the function
  - Server variables for the account name, key & function access code

ACTION: Update variables & web service with details for your environment

Calling the Connector in TotalAgility: Example Process

- Azure Storage Example shows creating a file using the Custom Services
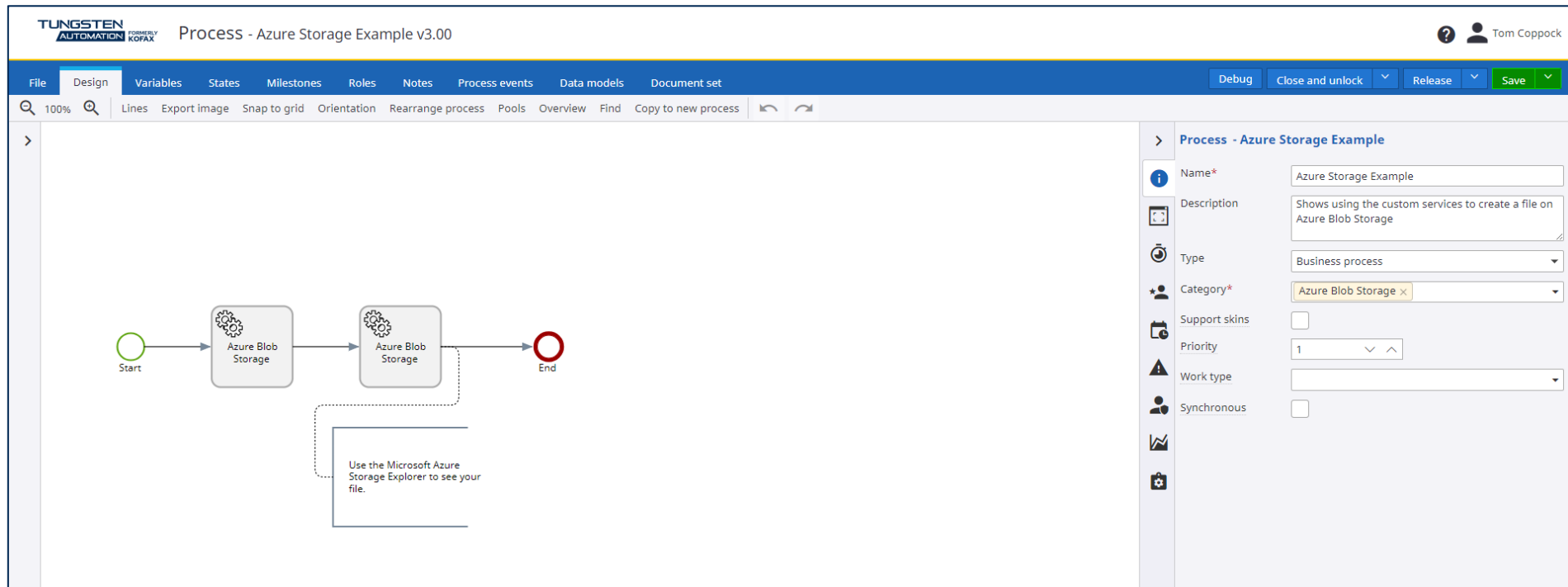
Calling the Connector in TotalAgility: Example Form

- /forms/Azure%20Storage%20Browser%20Example.form

- The form will create a new container using the username when it is first loaded

Connector Details: Data Models

- Data-models for the request & response data

Connector Details

- Custom services for each action & additional utility services

- **ACTION:** Map the TotalAgility SDK & System Session ID if you use:
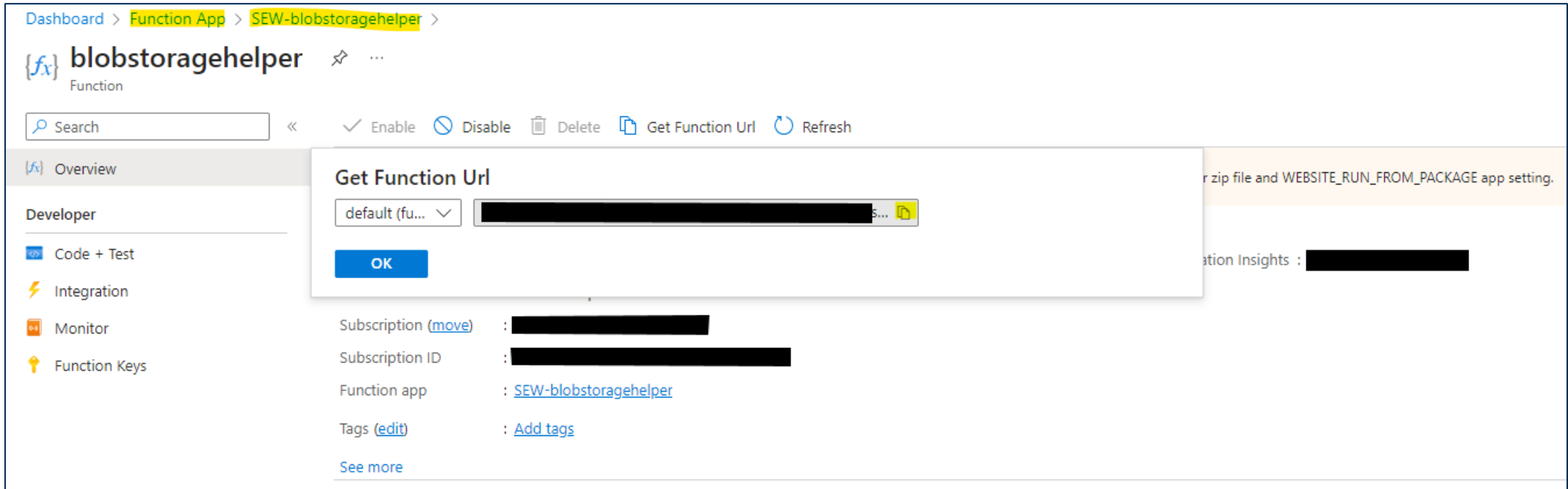 - *Utility – TA Doc to Base64 String*

Getting the Connector on the Marketplace

Deploying the Connector Function on Azure

- Download the Connector code & unzip

- Create an Azure Account / Subscription

- Install & Connect the Azure CLI Tool

- Open a terminal
  - Change to the directory with the unzipped files
  - Run "az login"
  - Follow the deploy steps in the README.MD
  - Update the variables in the command line as appropriate

Deploying the Connector Function on Azure

- Once deployed, get the function URL & access code as shown

- This is used to populate the appropriate global variables in TotalAgility

Importing the TA Project

- Import the package from the *example_totalagility* folder

- Edit the web service reference & variables in the Custom Service Group

- Test individual custom services or the example process / form as required

- Include the custom services in your own projects

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Thank You

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