

Dynatrace Azure Hands-On Workshop

Unbreakable Continuous Delivery





Workshop Pre-Requirements

1. Laptop
2. Familiarity with Azure Cloud Services and portal
3. Familiarity with software build pipelines concepts
4. Azure TRIAL subscription to roll out short-lived deployments of various Azure data technologies
5. Microsoft TRIAL DevOps Account with ability to rollout a short-lived DevOps Project
6. Dynatrace SaaS TRIAL Account

Pre-Requirements Setup



Workshop Cheat Sheet

Make a text file to save the following information into a text file like notepad. You will need this later during the workshop where you will be prompted to paste in the values into variables.

Dynatrace Base URL: <https://<environment>.live.dynatrace.com>

Dynatrace API Token:

Dynatrace PaaS Token:

Dynatrace Environment ID:

Azure Subscription Name:



Getting Started: *Azure subscription*

Sign up for new TRIAL account as to not cause conflicts with your enterprise subscriptions:

- <https://azure.microsoft.com/free/>



Getting Started: *Sign up for a Dynatrace Free trial*

www.dynatrace.com/trial/

Get ready to be amazed
in five minutes or less

with Dynatrace software intelligence for the enterprise cloud





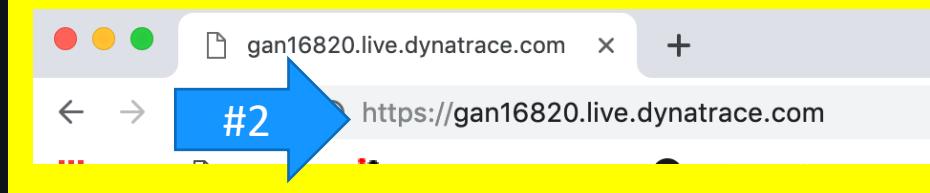
Getting Started: Generate Dynatrace PaaS token (Needed for OneAgent Installer)

1. Login to the Dynatrace account you have setup for this workshop

2. Copy base portion of the URL to your cheat sheet as the “Dynatrace Base URL”.

DO NOT include “/” at the end. For example:

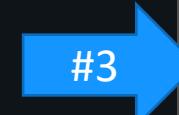
<https://gan16820.live.dynatrace.com>



3. Within Dynatrace, goto “Deploy Dynatrace then click the “PaaS integration” button.

4. Copy “Environment ID” to cheat sheet

5. Click “Generate new token” and Copy the Token to your cheat sheet as the “Dynatrace PaaS Token”



The screenshot shows the Dynatrace interface with the following details:

- PaaS integration** section is visible.
- Environment ID**: eef39839 (highlighted with a blue arrow)
- PaaS token**: [Generate new token](#) (highlighted with a blue arrow)
- Other PaaS options**: Azure Web Apps, Cloud Foundry, OpenShift, Kubernetes
- Environment ID**: eef39839
- PaaS token**: [Generate new token](#)
- Links**: Show token for AzureServiceFabric, InstallerDownload, UnbreakablePipeline



Getting Started: Generate Dynatrace API token (Needed to make API calls)

1. In Dynatrace, goto Settings->Integration->Dynatrace API
2. From here choose 'Generate Token'
3. Name it 'Lab API Token' and leave access scope the defaults
4. Confirm that 'write configuration' is enabled
5. Hit 'Generate' button

Token name	Owner	Disable/enable	Delete
API	student0910@trial.dynatraceabs.com	<input checked="" type="button"/>	
API Token	student0910@trial.dynatraceabs.com	<input checked="" type="button"/>	

My Dynatrace API tokens

Generate a secure access API token that enables access to your Dynatrace monitoring data via our REST-based API.

API Token

Use the switches below to define the access scope of your Dynatrace API token.

Access problem and event feed, metrics, topology and RUM JavaScript tag management

Access logs

Configure maintenance windows

Create and configure synthetic monitors

Read configuration

Write configuration

Change data privacy settings

Capture request data

User session query language

Anonymize user session data for [data privacy](#) reasons

Log import

Generate Cancel

6. Copy Token to your cheat sheet as the "Dynatrace API Token"



Azure DevOps

Plan smarter, collaborate better, and ship faster with a set of modern dev services.

Start free

Sign up for new DevOps TRIAL account as to not cause conflicts with your enterprise subscriptions:

<https://azure.microsoft.com/en-us/services/devops/>



Getting Started: Document Azure subscription

1. Login to your Azure account and search for subscriptions

A screenshot of the Microsoft Azure portal. At the top, there's a search bar with the text "sub". A large blue arrow points from the text "#1" to this search bar. Below the search bar, the word "Subscriptions" is visible in the list of suggestions. The main interface shows "Azure services" and "See all (100+)".

2. Copy this portion of your “Azure Subscription Name”. For example “InnovationLab-Dev”

A screenshot of the "Subscriptions" page in the Microsoft Azure portal. The title bar says "Home > Subscriptions". The main area is titled "Subscriptions" and lists one item: "Dynatrace". Below this is a section with a blue "Add" button. Further down, there's a message about showing subscriptions in Dynatrace, a "My role" section, and a checkbox for "8 selected". A large blue "Apply" button is prominent. At the bottom, there's a search bar and a table header for "SUBSCRIPTION". The first row of the table shows the "InnovationLab-Dev" subscription, preceded by a blue circular icon with three dots.