Intro

Turbonomic empowers you with specific and fully automatable placement, sizing and provisioning decisions that assure performance for any application on any cloud. We have set up an instance for your pre-loaded with a couple different environments, both on-prem and Azure cloud so you can see the specific decisions Turbonomic is capable off and how they can be applied to your environment.

Below are the key steps you need to take to get started, the use cases we recommend you walk through and where to learn more.

Note, VMTurbo is now Turbonomic (click here to learn more). This Test drive instance is till branded as VMTurbo.

Getting Started

1) Accessing the Test Drive

To get started go to the URL you were provided in the launch page, as well as in the email sent to you once the test drive is ready.

Example: https://vmtcloudtry.cloudapp.net/com.vmturbo.UI/UIMain.html

When you first launch the Turbonomic test drive you will be presented with a warning that your connection is not private. Below is an example from a Chrome browser.

Click the Advanced link.

Next click on proceed to your unique DNS. Example: Proceed to vmturbocloudtry.cloudapp.net (unsafe) link. Don't worry it's safe.

turbonomic

Your connection is not private

Attackers might be trying to steal your information from **untrustedmy.cloudapp.net** (for example, passwords, messages, or credit cards). NET::ERR_CERT_AUTHORITY_INVALID

☐ Automatically report some system information and page content to Google to help detect dangerous apps and sites. Privacy policy

Advanced   Back to safety

This server could not prove that it is **untrustedmy.cloudapp.net**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

Proceed to untrustedmy.cloudapp.net (unsafe)

2) Update User ID

The next step is to change the administrator password. The default user id and password are below:

User Name: administrator
Password: vmturbo

You will be prompted to change it upon initial login screen. See below.
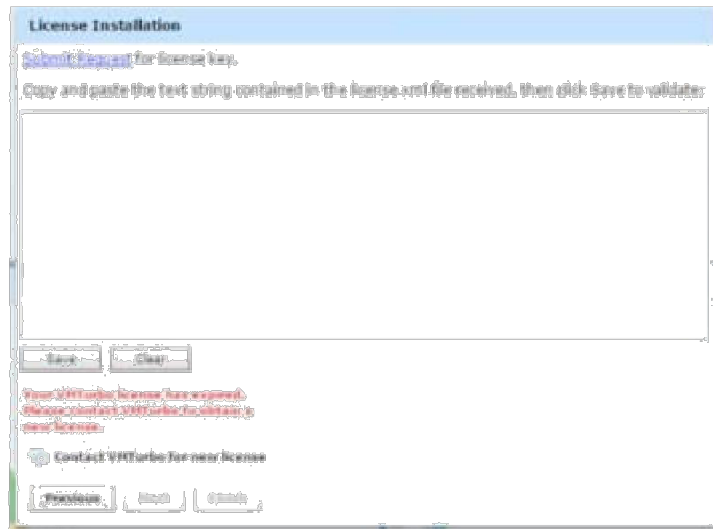

3) Apply License Key

Once you log in you will be prompted to enter a license key. Copy and paste the XML string below into the License Installation window and click save.

```xml
<?xml version="1.0"?>

<!-- VMTurbo license file; license created: 2017-02-17 -->

<license>
  <first-name>Test</first-name>
  <last-name>Drive</last-name>
  <email>testdrive@turbonomic.com</email>
  <num-sockets>100</num-sockets>
  <expiration-date>2017-05-19</expiration-date>
  <lock-code>9f8af4011294f1afd49d3e5548d86bf1</lock-code>
  <feature FeatureName="storage"/>
  <feature FeatureName="fabric"/>
  <feature FeatureName="network_control"/>
  <feature FeatureName="public_cloud"/>
  <feature FeatureName="cloud_cost"/>
  <feature FeatureName="container_control"/>
  <feature FeatureName="app_control"/>
  <feature FeatureName="applications"/>
  <feature FeatureName="historical_data"/>
  <feature FeatureName="multiple_vc"/>
  <feature FeatureName="scoped_user_view"/>
  <feature FeatureName="customized_views"/>
  <feature FeatureName="group_editor"/>
  <feature FeatureName="vmturbo_api"/>
  <feature FeatureName="automated_actions"/>
  <feature FeatureName="active_directory"/>
  <feature FeatureName="custom_reports"/>
  <feature FeatureName="planner"/>
  <feature FeatureName="optimizer"/>
  <feature FeatureName="full_policy"/>
  <feature FeatureName="loadbalancer"/>
  <feature FeatureName="deploy"/>
  <feature FeatureName="aggregation"/>
  <feature FeatureName="action_script"/>
  <feature FeatureName="cloud_targets"/>
  <feature FeatureName="cluster_flattening"/>

</license>
```
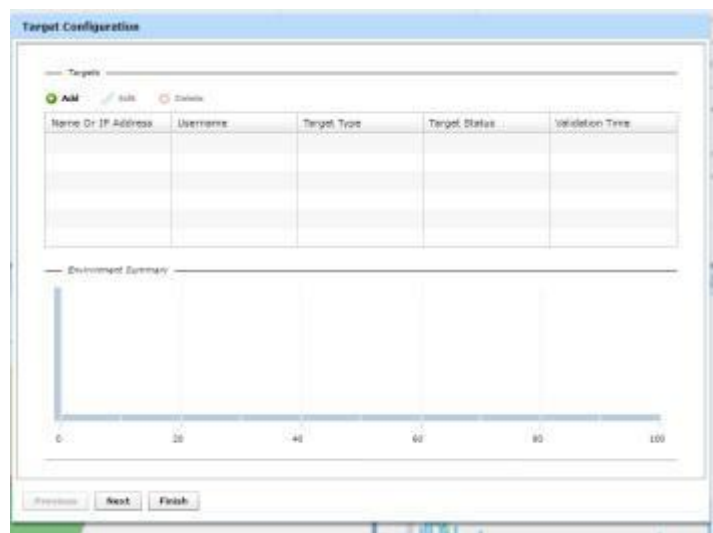
4) Target Configuration

Next you will be presented with the Target Configuration screen. For this environment we have already loaded targets for you so just click Finish.

See below.

Okay! You are all set checkout the test drive.

Use Cases

This sections includes the key use cases we recommend you walk through to get the most out of your Turbonomic Azure test drive.

1) Adding Targets: Turbonomic uses an agentless deployment model, adding targets is as simple as pointing to an IP address and adding the admin credentials. By following the steps below can easily see what layers of the stack Turbonomic provides you with specific decisions for (e.g.

   public cloud, applications, PaaS)

   Here are the key steps:

   - Navigate to the Admin tab
   - Click on the various Target Type (e.g. Hypervisor, PaaS, Application Server)
   - See how simple it is to extend the control of Turbonomic to every layer of the stack

Note for this test drive we've already added the targets for you.
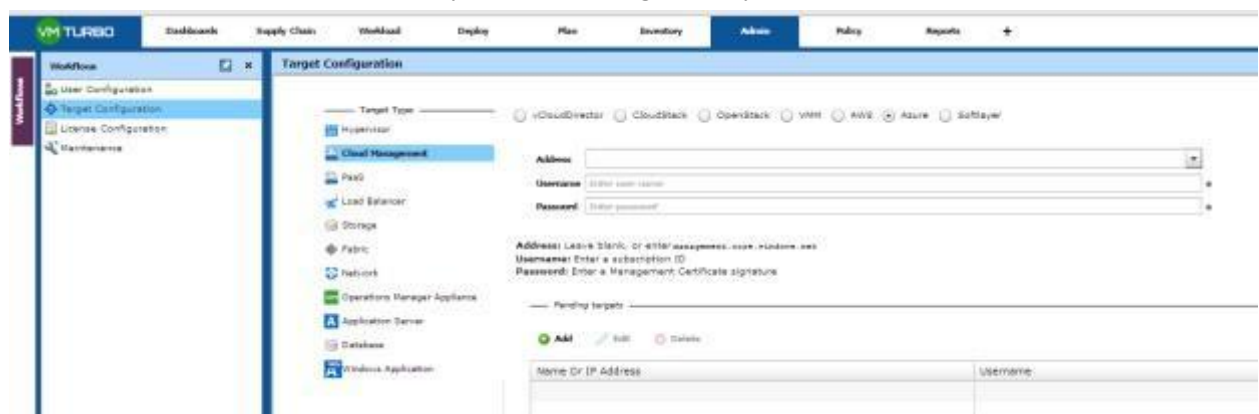
2) Supply Chain: Turbonomic represents your entire environment as a supply chain in which entities provide or consume resources. Once you add targets (remember for this test drive we've already done this for you) you can use the supply chain view to understand the inter dependencies in the environment from applications to the metal and what actions are required to prevent performance degradation or compliance risks.

   Here are the key steps:
   - Navigate to the Supply Chain tab
   - Click on Virtual Machine
   - Select the first one (they are ranked based on how resource constrained they are)
   - You can see the key actions you need to take to address performance and compliance for this specific instance in Azure
   - Click on Applications
   - Select one
   - You can see what you need to do to prevent performance issues
   - Click on Physical Machines or Storage
   - You can see what you need to do to prevent performance issues in the physical layer

Note: remember Turbonomic is a hybrid-cloud solution one instance for your on-premises and cloud environments

3) <u>Dashboards</u>: this is the key view. Turbonomic presents you with all the decisions required to guarantee application performance. View the specific decisions and then execute by selecting and clicking apply. These are the preventative changes you need to make in the environment to guarantee performance.

Here are the key steps:
- Navigate to the Dashboards tab
- Choose the 'Select All' radial button
- Scroll down and to pages 1, 2 or 3 to see all of the decisions you can action
- Select an action with 'Pending Accept' status (that's how easy it is to Guarantee Application Performance)
- Navigate to the other Dashboards on the left menu to understand the other information Turbonomic presents you with
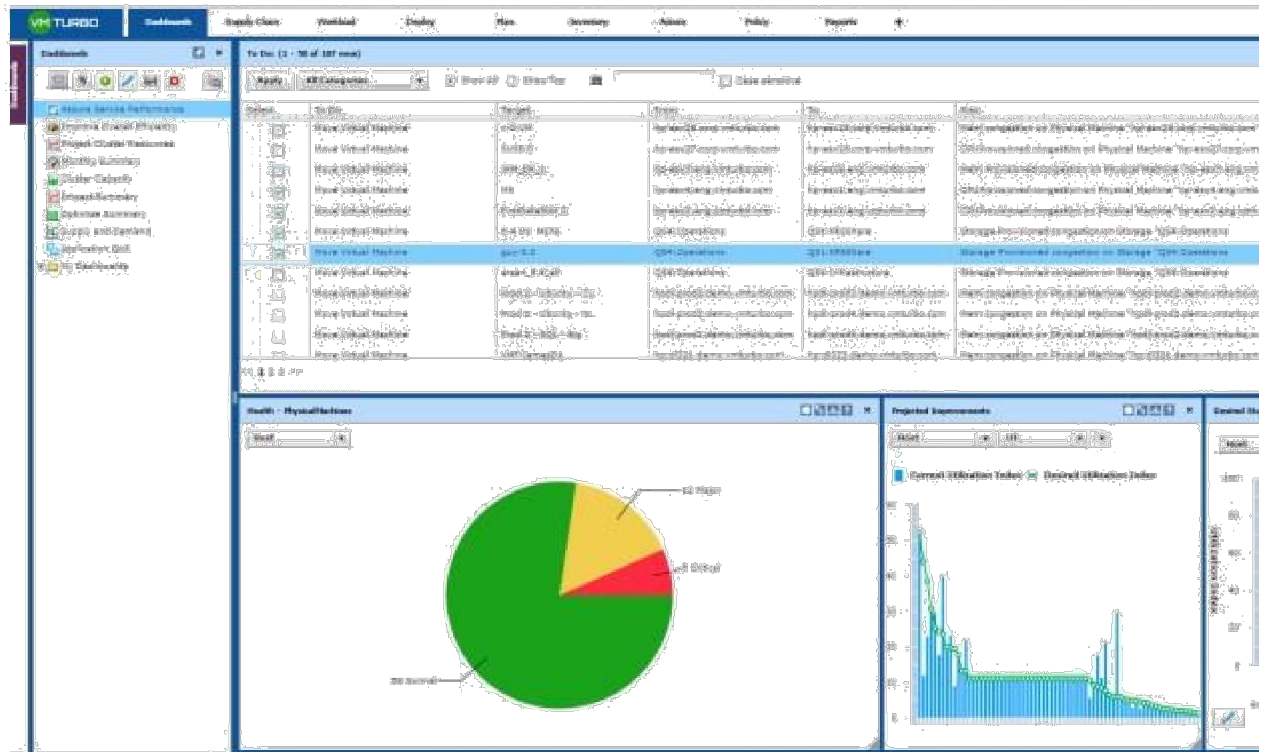
4) Deploy: With Turbonomic you can add new workloads to your cloud or on-premises enlivenment. Turbonomic figures out the best place for the workloads to live based on its demand profile and matching it to the available resources. It also takes into account any policy or constraint you define or import.

Here are the key steps:
-   Navigate to the Deploy tab
-   Enter a 'Reservation Name'
-   Enter the number of 'VM' (workloads) you want to add
-   Select the 'Reservation Date' and 'Deployment Date' (these are the dates when Turbonomic will start to consider the new workload as part of the environment and when it will actually deploy it, they can be the same date)
-   Pick and 'Template' and 'Deployment Profile' (you need both)
-   Click 'Request' it
-   Now check out the bonus section for this use case

Bonus steps: you can define a new template by clicking the + sign in the above view, here ae the key steps:

- Click the + sign
- Select a VM Template or click add (you can define the demand profile based on existing workloads or a new one based on what your app team thinks is required)
- Click the + sign under 'Deployment Profile' you can now define a new deployment profile and see the controls and policies you can apply to it
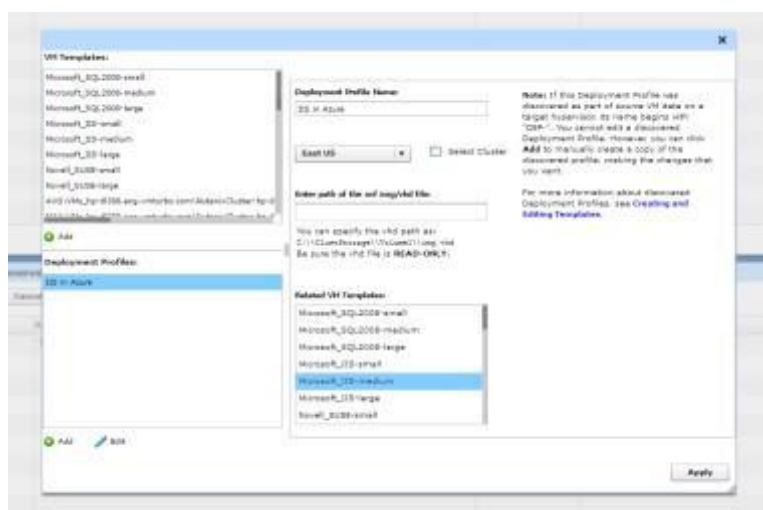
5) <u>Automation</u>: Turbonomic enables you to Guarantee Application Performance by automating all of the key decisions required to action in your environment. Under actions you can change VM moves from manual to automated.
Here are the key steps:
- Navigate to the Policy tab
- Select Action
- Select VM
- Select a specific Virtual Machine under Scope (remember Turbonomic represents Azure or AWS instances as Virtual Machines)
- For the 'Move' 'Attribute' change 'Value' from 'Manual' to 'Automated'
- Click 'Override'
- Click 'Apply Setting Change'
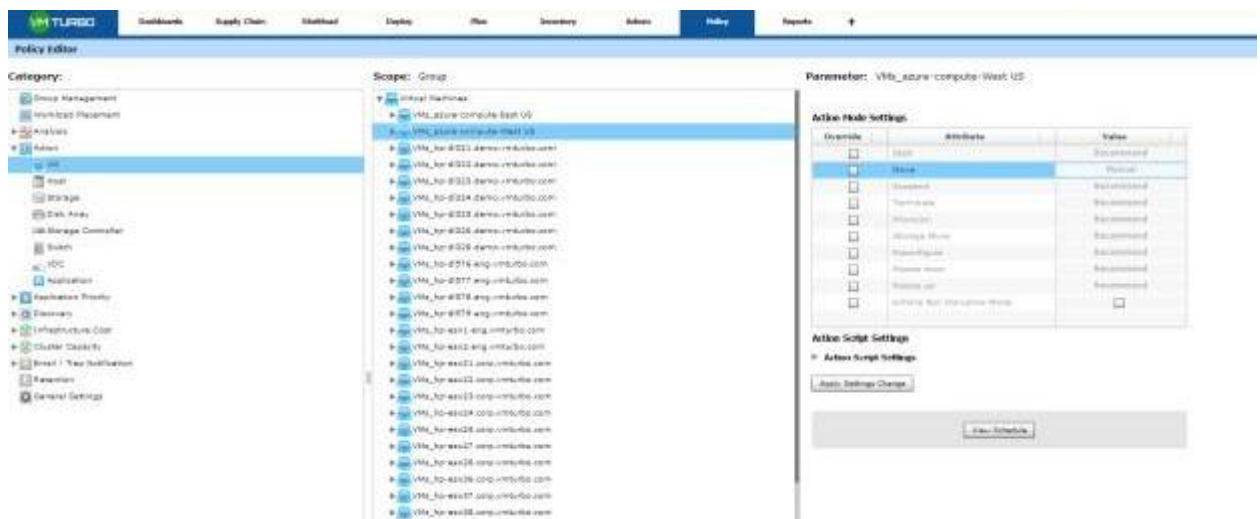
6) <u>Assure QoS</u> Turbonomic enables you to set specific quality of service goals for every application and then makes the decisions to adhere to those goals. Ander Analysis you can set specific QoS targets (e.g. response time) for specific applications.

Here are the key steps:
- Navigate to the Policy tab
- Click 'Analysis'
- Select a specific application
- Change the Response Time or Transaction Capacity default setting
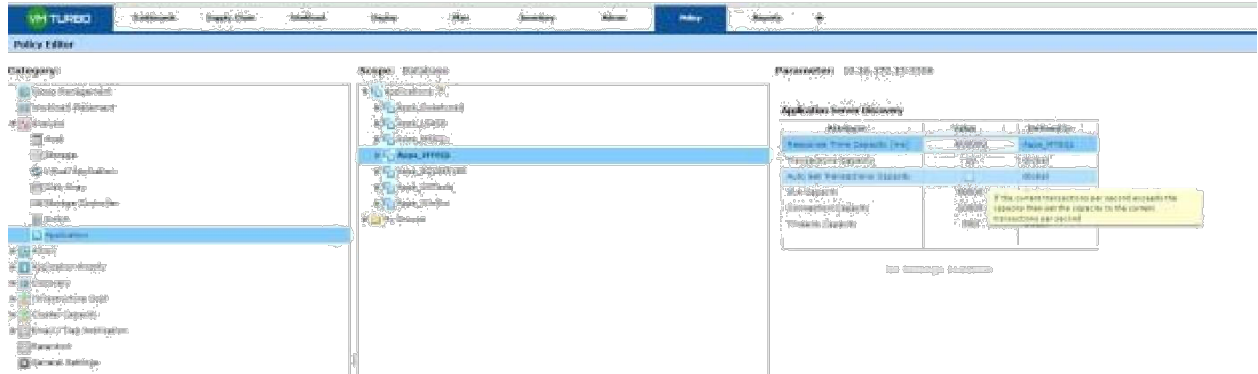
That was it!

Learn More

Now that is just a taste. To learn more and see the full documentation go here:

Documentation: https://greencircle.vmturbo.com/community/products/pages/documentation

To get started in your own environment start you free 30-Day Trial today:
 http://turbonomic.com/product/

Or

 https://azure.microsoft.com/en-us/marketplace/partners/vmturbo/vmturbo64-opsmgr-53/#vmturbo64- opsmgr-5-3-saas