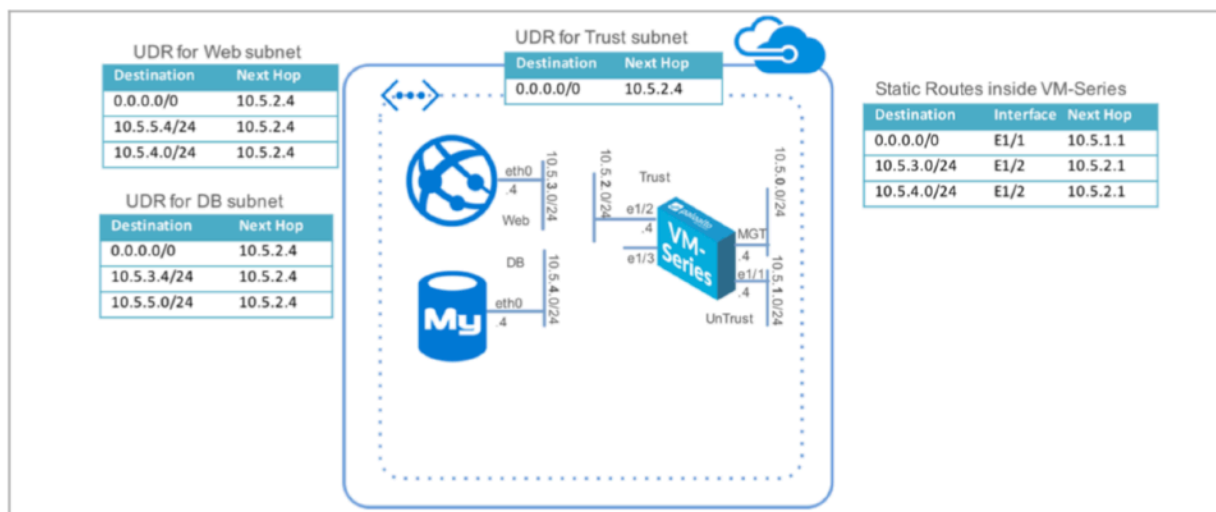


## Azure Resource Manager Template

### Step 1



### Step 2

The below **Deploy to Azure** button embeds an Azure ARM

<https://github.com/PaloAltoNetworks/azure/tree/master/two-tier-sample>

### Deploy a two-tiered application environment secured by the VM-Series firewall

This ARM template deploys a VM-Series next generation firewall VM in an Azure resource group along with a web and db server similar to a typical two tier architecture. It also adds the relevant User-Defined Route (UDR) tables to send all traffic through the VM-Series firewall.

### Deployment Guide

### Support Policy

This ARM template is released under an as-is, best effort, support policy. These scripts should be seen as community supported and Palo Alto Networks will contribute our expertise as and when possible. We do not provide technical support or help in using or troubleshooting the components of the project through our normal support options such as Palo Alto Networks support teams, or ASC (Authorized Support Centers) partners and backline support options. The underlying product used (the VM-Series firewall) by the scripts or templates are still supported, but the support is only for the product functionality and not for help in deploying or using the template or script itself. Unless explicitly tagged, all projects or work posted in our GitHub repository (at <https://github.com/PaloAltoNetworks>) or sites other than our official Downloads page on <https://support.paloaltonetworks.com> are provided under the best effort policy.

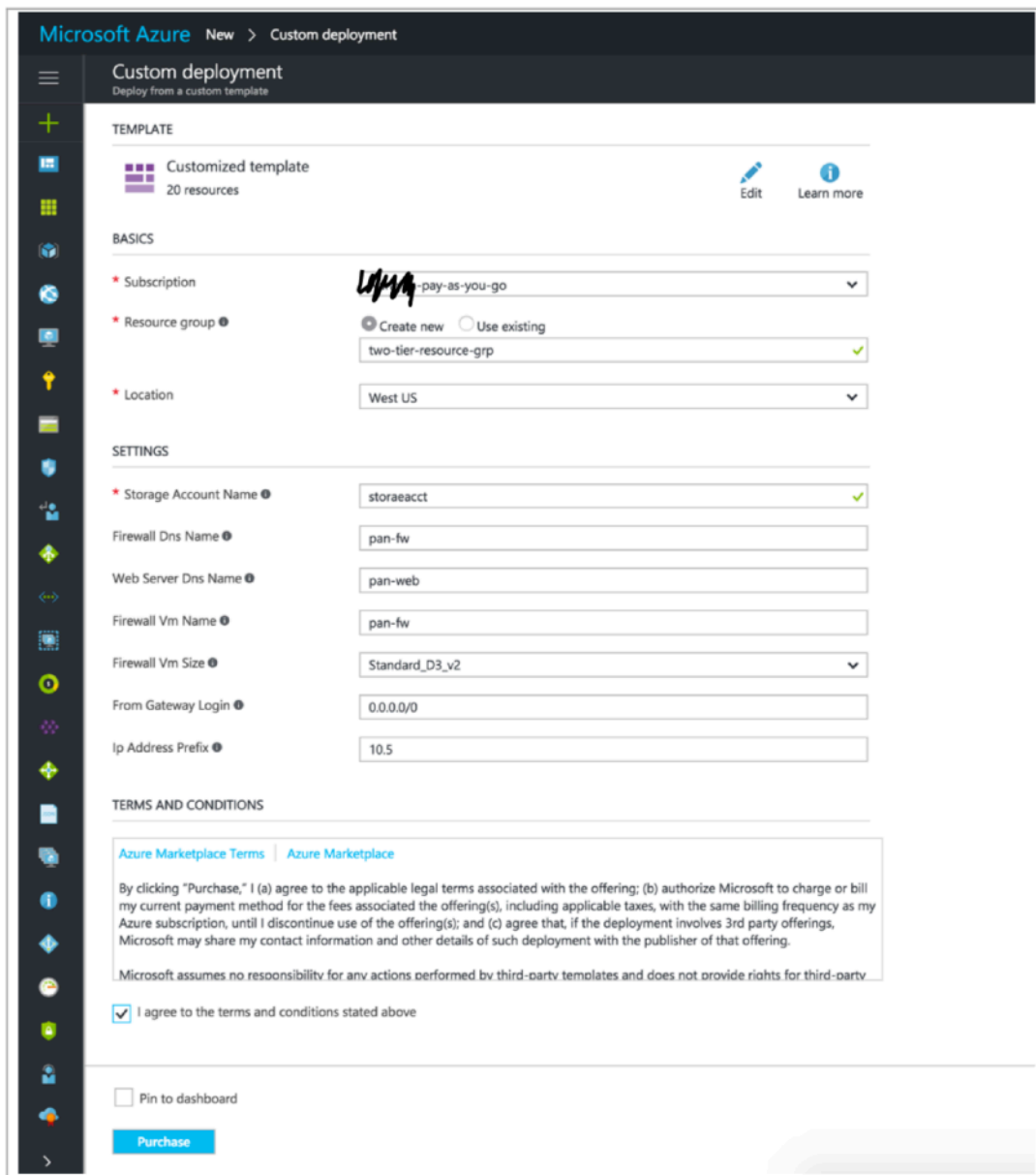
[Deploy to Azure](#)
[Visualize](#)

Click “Visualize” for a visual representation of the various resources the template launches. Click “Deploy to Azure” link. You will be prompted to log in to your Azure account and prompted to specify some template parameters.

Create the following

**Resource Group:** username, E.g: lcastrose

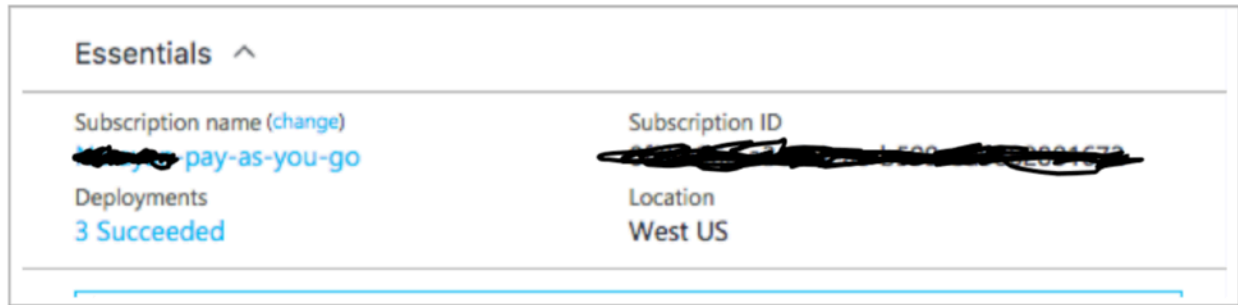
**Storage Account Name:** username, E.g: lcastrose



The screenshot shows the Microsoft Azure portal's 'Custom deployment' page. The page is titled 'Custom deployment' with a subtitle 'Deploy from a custom template'. On the left is a navigation sidebar with various icons. The main content area is divided into sections: 'TEMPLATE' (showing a 'Customized template' with 20 resources and 'Edit'/'Learn more' links), 'BASICS' (containing 'Subscription' (pay-as-you-go), 'Resource group' (Create new: two-tier-resource-grp), and 'Location' (West US)), 'SETTINGS' (containing 'Storage Account Name' (storaecct), 'Firewall Dns Name' (pan-fw), 'Web Server Dns Name' (pan-web), 'Firewall Vm Name' (pan-fw), 'Firewall Vm Size' (Standard\_D3\_v2), 'From Gateway Login' (0.0.0.0/0), and 'Ip Address Prefix' (10.5)), and 'TERMS AND CONDITIONS' (with a checkbox for 'I agree to the terms and conditions stated above' and a 'Purchase' button). The 'Purchase' button is highlighted in blue.



If the ARM template deployment was successful, the deployment state will show as “3 Succeeded”



## Step 4

Review the Provisioned Resources

Verify that the resources match this topology.

Home > Icastrose

**Icastrose**  
Resource group

Search (Cmd+/) «

+ Add Edit columns Delete resource group Refresh Move Export to CSV Assign tags Delete Export template Feedback

Essentials

Filter by name... Type == all Location == all Add filter

Showing 1 to 16 of 16 records. Show hidden types No grouping

Name ↑↓	Type ↑↓	Location ↑↓
database-vm	Virtual machine	East US
DB-to-FW	Route table	East US
DBeth0	Network interface	East US
DefaultNSG	Network security group	East US
FWeth0	Network interface	East US
FWeth1	Network interface	East US
FWeth2	Network interface	East US
fwPublicIP	Public IP address	East US
fwVNET35IS	Virtual network	East US
icastrose35IS	Storage account	East US
pan-fw	Virtual machine	East US

< Previous Page 1 of 1 Next >

## Step 5

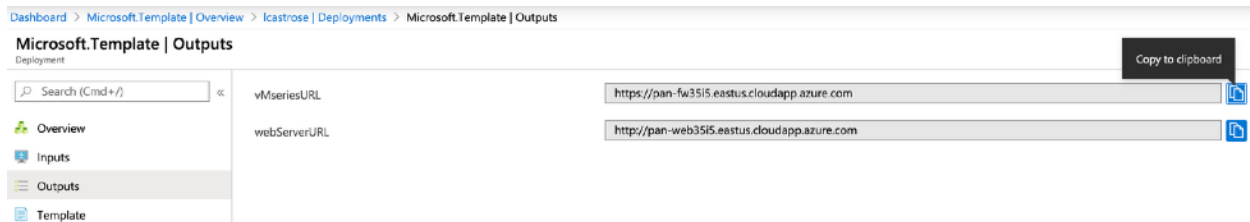
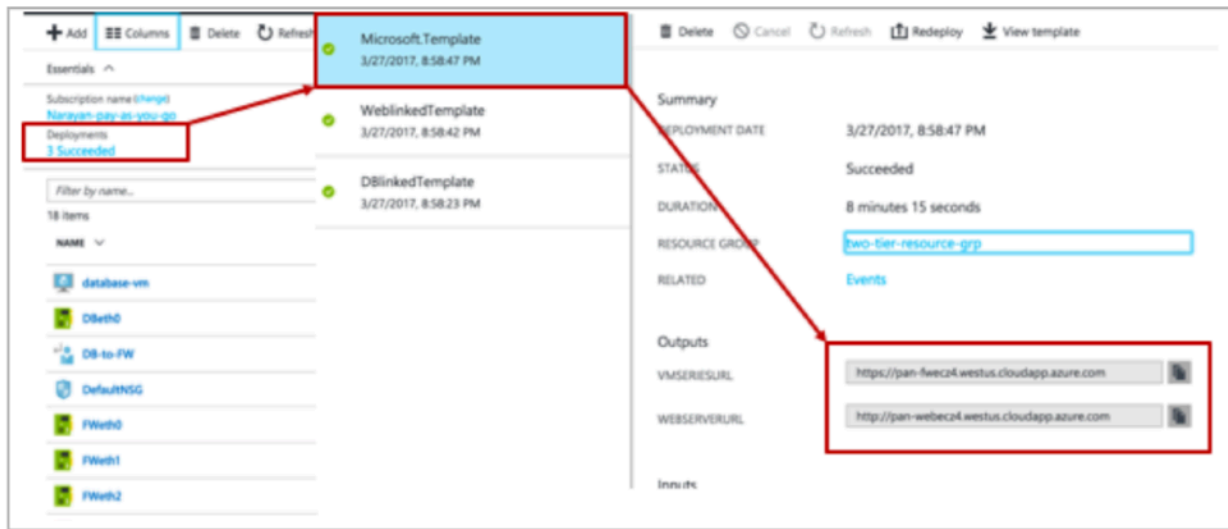
### PanOS UI

Login to the VM-Series firewall

Review key portions of the firewall configurations

To access the firewall login page, access the URL from the azure portal template deployment summary page.

You should be able to log into the VMSeriesURL using the username/password: paloalto/Pal0Alt0@123

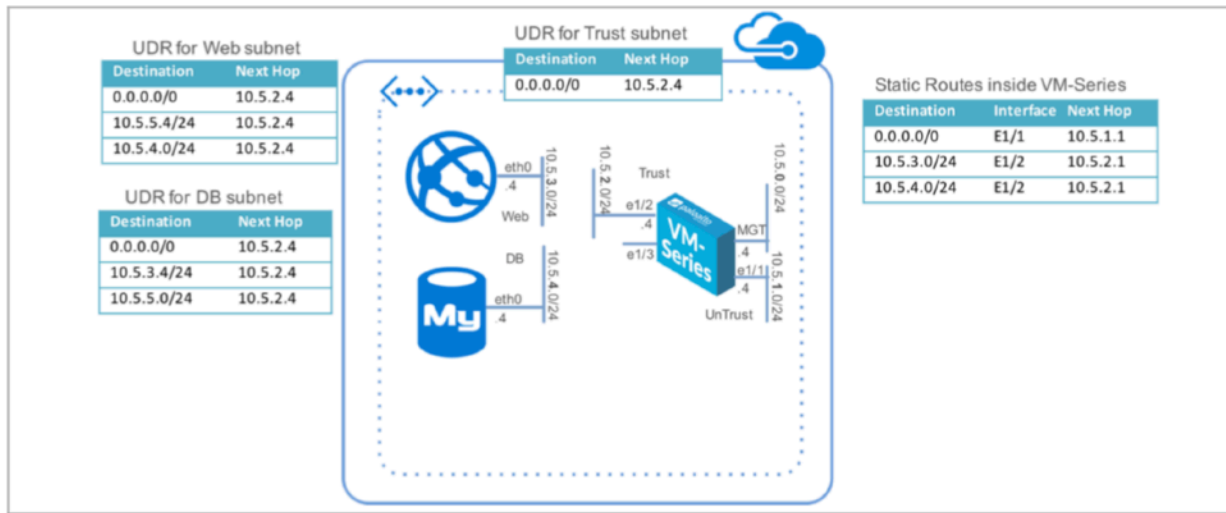


## Step 6

### Networking

The interface (Ethernet 1/1) in the Unturst zone is the interface that is exposed to the outside world. All traffic enters through this interface.

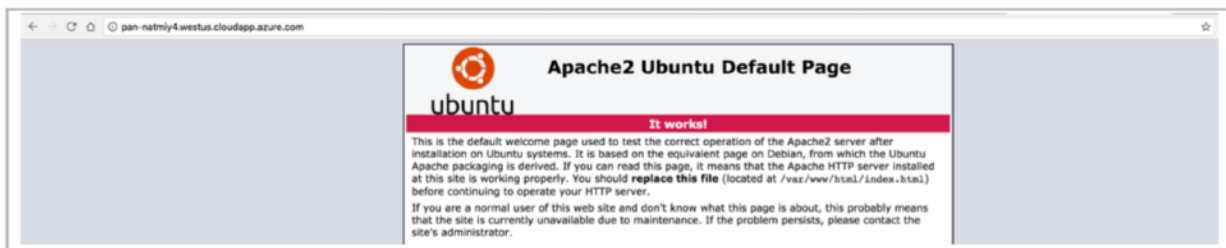
The interface in the Trust zone (Ethernet 2/2) is the interface where the assets that need to be protected reside (in this case the web and database servers).



## Step 7

### Verify Static Content on Web Server

Using the second URL (WebserverURL) in the output section of the deployment summary access the static content of the webserver and you should see:



## Step 8

### Cleanup

If done, delete the resource group in order to cleanup and remove all the resources created.

