110: Application Management through the UI

Thursday, November 19, 2015

1:38 PM

If you elected to configure a "jumpbox" you can create a VNC (for Linux jumpboxes) or RDP (Windows jumpboxes) connection to that machine and work with the UI from there. The first thing you need to do is configure an SSH tunnel to your cluster, see [108: Connecting to Orchestration Management Interfaces](onenote:#108%20Connecting%20to%20Orchestration%20Management%20Interfaces&section-id={CFB761B4-3A3C-488C-A3F0-A31102E5F7F5}&page-id={B28097A5-BEB4-47B7-B5F0-7680ED286660}&end&base-path=https://d.docs-df.live.net/d66b9407fb17d322/Documents/COntainer%20Service/Docs.one)

VNC Connections for Linux Jumpboxes

If you elected to use a Linux Jumpbox then you will use VNC to connect to it. You will have needed to provide a tunnel to port 5901:

Machine generated alternative text:
PuTTY Configuration 
Category: 
É)• Window 
Behaviour 
Translation 
É• Connection 
• Telnet 
SSH 
(i' AA-I 
More bugs 
Options controlling SSH port forwarding 
Port forwarding 
Local ports accept connections from other hosts 
Remote ports do the same (SSH-2 only) 
Forwarded ports: 
L5901 localhost:5901 
Remove 
C) Dynamic 
O IPv6 
Add new 
@Local 
@A-RO 
5901 
localhost :5901 
O I pv4 

For more information on how to open a tunnel see [108: Connecting to Orchestration Management Interfaces](onenote:#108%20Connecting%20to%20Orchestration%20Management%20Interfaces&section-id={CFB761B4-3A3C-488C-A3F0-A31102E5F7F5}&page-id={B28097A5-BEB4-47B7-B5F0-7680ED286660}&end&base-path=https://d.docs-df.live.net/d66b9407fb17d322/Documents/COntainer%20Service/Docs.one).

Now install a VNC Client on your client (e.g. <http://www.realvnc.com/download/viewer/>)

Once installed open the client and connect as follows:

Machine generated alternative text:
VNC Viewer 
VNC@ Viewer 
VNC Server: localhost:l 
Encryption: Prefer off 
n 
c 
Connect 

11/20/2015 2:24 PM - Screen Clipping

With the password of `password`.

Machine generated alternative text:
VNC Viewer - Authentication 
VNC Server: localhost::5901 
Username: 
Password: 

You can now open a browser and view:

Now you can open a browser and visit:

* Mesos: <http://master0:5050>
* Marathon: <http://master0:8080>
* Chronos: <http://master0:4400>

Machine generated alternative text:
Mesos - Mozilla Firefox 
Slaves 
vel 
Mesos 
master2: 5050/#/ 
x 
Offers 
search 
Name 
lb.demo.azure 
web-demo-azure 
rest-demo-azure 
State 
RUNNING 
RUNNING 
RUNNING 
Mesos Cluster on Microsoft Azure 
Mesos 
Frameworks 
Master 
Cluster: 
Find— 
Started 
3 hours ago 
3 hours ago 
3 hours ago 
Find... 
Host 
agent27 
agentl 2 
agent27 
Host 
agent24 
agent28 
agent3 
agentl 3 
agentl 5 
agent36 
agentl 9 
agent2 
agent5 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
Sandbox 
fde5c673-9f5a-48bf-9e63-50ce4c2a2669 
Active Tasks 
ID 
azure 
azure 
azure 
demo 
demo 
demo 
Mesos Cluster on Microsoft Azure 
Server: 10.0.0.7:5050 
Version: 0.25.0 
Built: a month ago by root 
37 
18 
Mem 
87.3 GB 
1.5 GB 
0B 
lb.Oc6928fd-8fbc-1 1 e5-81 18-024202ef5e41 
web.fl dac25c-8fbb-1 1 e5-81 18-024202ef5e41 
rest.c4bec14a-8fbb-11 e5-8118-024202ef5e41 
Started: yesterday 
Elected: yesterdqy 
LOG 
Slaves 
Activated 
Deactivated 
Tasks 
Staged 
Started 
Finished 
Killed 
F ailed 
Lost 
Resources 
Name 
web.demo.azure 
rest-demo-azure 
rest-demo-azure 
rest-demo-azure 
rest.demo.azure 
rest.demo.azure 
rest.demo.azure 
rest-demo-azure 
rest-demo-azure 
Completed Tasks 
azure 
azure 
azure 
azure 
azure 
demo 
demo 
demo 
demo 
demo 
web.c8eefd7b-8fbb-11 e5-8118-024202ef5e41 
rest.98f72ca9-8fbb-11 e5-8118-024202ef5e41 
rest.6e71 b4f8-8fbb-11 e5-8118-024202ef5e41 
rest.3ee3f097-8fbb-11 e5-8118-024202ef5e41 
rest.05694776-8fbb- 
State 
FAILED 
FAILED 
FAILED 
FAILED 
FAILED 
FAILED 
FAILED 
FAILED 
FAILED 
Started Stopped 
3 hours 
3 hours 
3 hours 
3 hours 
3 hours 
3 hours 
3 hours 
3 hours 
3 hours 
3 hours 
ago 
3 hours 
ago 
3 hours 
ago 
3 hours 
age 
3 hours 
age 
3 hours 
ago 
3 hours 
ago 
3 hours 
ago 
3 hours 
1 1 e5-8118-024202ef5e41 
azure demo rest.d2faaa45-8fba-1 le5-8118-024202ef5e41 
azure demo rest-abl 076e4-8fba- 
1 1 e5-8118-024202ef5e41 
azure demo rest.839a8923-8fba- 
1 1 e5-8118-024202ef5e41 
azure demo rest.55e29632-8fba- 
Total 
Offered 
CPUs 
74 
1.2 
o 
79 A 

11/20/2015 2:27 PM - Screen Clipping

Remote Desktop for Windows Jumpbox

In the Azure portal navigate to your Jumpbox within your resource group:

Machine generated alternative text:
New 
Resource arounc 
All resources 
Recent 
Web Apps 
SQL databases 
Virtual machines (classic) 
Virtual machines 
Cloud services (classic) 
Subscriptions 
Browse 
Resource groups 
Microsoft 
Columns 
NAME 
acsmesosll 
acsvmss334 
acsvmss336 
Microsoft Azure Intemal Consumption (325e7c34-ggfb-41go-aa87- Idf746c67705) 
SUBSCRIPTION 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3.. 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3... 
Microsoft Azure Internal Consumption (3... 
LOCATION 
Japan East 
Southeast Asia 
Southeast Asia 
East US 
Central US 
East US 
East US 
East US 
East US 
Refresh 
Default-Networking 
Default-storage-CentralUS 
Default-storage-EastUS 
Group 
mms-eus 
rgdockerdev 

Machine generated alternative text:
acsmesos110303 
Resource group 
Subscription ID 
325e7c34-99fb-4190-aa87-1df746c67705 
Locatio n 
Japan East 
All settings 
Add tiles @ 
Add tiles @ 
Alert rules 
ACSMESOS110303 
Settings 
Add 
Delete 
Essentials 
Subscription name 
Microsoft Azure Intemal Consumption 
Last deployment 
11/24/2015 (Succeeded) 
Summary 
Resources 
agentAvailabilitySet 
masterAvaila bilitySet 
agentO 
agentl 
jumpbox 
mas ero 
masterl 
master2 
Monitoring 
Events 
ACSMESOS110303 

Click the Connect button:

Machine generated alternative text:
jumpbox 
Virtual machine 
Connect 
Stop 
Delete 
Setting 
j Start 
Essentials 
Resource group 
acsmesos 1 10303 
Status 
Running 
Locatio n 
Japan East 
Subscription name 
Microsoft Azure Internal Consumption 
Subscription ID 
325e7c34-99fb-4190-aa87-1df746c67705 
Monitoring 
CPU percentage today 
Computer name 
jumpbox 
Operating system 
Windows 
Size 
Standard Al (1 core, 1.75 GB memory) 
Public IP address 
10441.183.150 
Virtual network/subnet 
VNET/Subnet 
All settings 
Add tiles @ 
Monitoring may not be enabled. Click here to turn on Diagnostics. 

Optionally Save the file for easy access later. Open it now.

Machine generated alternative text:
Do you want to open or save jumpbox.rdp (62 bytes) from 
Open 
Cancel 

Connect:

Machine generated alternative text:
Remote Desktop Connection 
TYE tNs be you to 
Miyway ? 
This remote connection could harm your local or remote computer Do not connect unless you know 
where this connection came from or have used t before 
Remote computer: 
Remote Desktop Connection 
0441 83 50 
Don t ask me again for connections to this computer 
Show Details 

Machine generated alternative text:
Windows Security 
Enter your credentials 
These credentials will be used to connect to IN.41.183.1 SO. 
Ross Gardler 
MicrosoftAccountlross@gardler.org 
asswcrcl 
Use another account 
Connect a smart card 
Remember my credentials 
Cancel 

Machine generated alternative text:
Windows Security 
Enter your credentials 
These credentials will be used to connect to IN.41.183.1 SO. 
Ross Gardler 
MicrosoftAccountlross@gardIer.org 
Nazureuser 
Domain: 
Connect a smart card 
Remember my credentials 
Cancel 

Machine generated alternative text:
Remote Desktop Connection 
TYE tyæ 
you to Miyway? 
The remote computer could not be authenticated due to problems with ts 
security may be unsafe to proceed 
Certificate name 
Name In the certificate from the remote computer: 
Certificate em:.rs 
The following errors were encountered while validating the remote 
computerk certificatæ 
The certificate is not from a trusted certifying authority 
Do you want to connect despite these certificate errors? 
Don t ask me again for connections to this computer 
V'ew certificate 

Now you can open a browser and visit:

* Mesos: <http://master0:5050>
* Marathon: <http://master0:8080>
* Chronos: <http://master0:4400/>