

AzureVM for HoloBrain project

Ward, Mike <mike.ward@ubc.ca>

To: Mehrdad Ghomi <mehrdadghomi@yahoo.com>, Robyn Choi <robyn3choi@gmail.com>

Thu, Oct 12, 2017 at 3:51 PM

Hello Mehrdad and Robyn,

Thank you for meeting to discuss this. As we discussed, please work out the procedures and resources to take ownership of this server (i.e. manage who can login, rotating the password, updating the server, troubleshooting VM issues, etc.)

You can connect to the Azure VM with the password I gave you using the following method on a Windows 10 computer:

- 1.Press the Windows Key + R to open the Run dialog box
- 2.Copy and paste this command and press enter:
- mstsc /v caps-hlsrv.canadacentral.cloudapp.azure.com
- 3.Type in HLAdmin as the username and the password I gave you over the phone

Doing a cursory look at the server, the SharingService.exe is generating the following error message:

```
SharingService: Created Session "7508" with ID 58 on port 20600
Error: SharingService [..\..\Source\Common\Private\XSocketManagerImpl.cpp (673)]: Failed to create incoming connection on port 20600. Error code: 5
SharingService: Session 7508 closed
```

I would recommend prefixing all log entries generated by the SharingService.exe with the Date/Time (yyyyMMddThhmmss). That way you can do correlation when troubleshooting. An example:

```
20171012T154444: SharingService: Created Session "7508" with ID 58 on port 20600
```

Looking at the Azure firewall rule for that VM:

Inbound security rules

PRIORITY	NAME	PORT	PROTOCOL	SOURCE	DESTINATION	ACTION	
1000	default-allow-rdp	3389	TCP	Any	Any	Allow	...
1100	CAP-SR-Inbound	20580-20605	UDP	Any	Any	Allow	...

The matching local firewall rule on the VM:

Inbound Rules

Outbound Rules

Connection Security Rules

Monitoring

Name	Group	Profile	Enabled	Action
HoloLens:InboundTCP		All	Yes	Allow
HoloLens:InboundUDP		All	Yes	Allow
AllJoyn Router (Allow
AllJoyn Router (Allow
BranchCache Co				Allow
BranchCache Ho				Allow
BranchCache Pe				Allow
Cast to Device f				Allow
Cast to Device f				Allow
Cast to Device S				Allow
Cast to Device st				Allow
Cast to Device st				Allow
Cast to Device st				Allow
Cast to Device st				Allow
Cast to Device st				Allow
Cast to Device st				Allow

HoloLens:InboundUDP Properties

General

Programs and Services

Remote Computers

Protocols and Ports

Scope

Advanced

Local Principals

Remote Users

Protocols and ports

Protocol type: UDP

Protocol number: 17

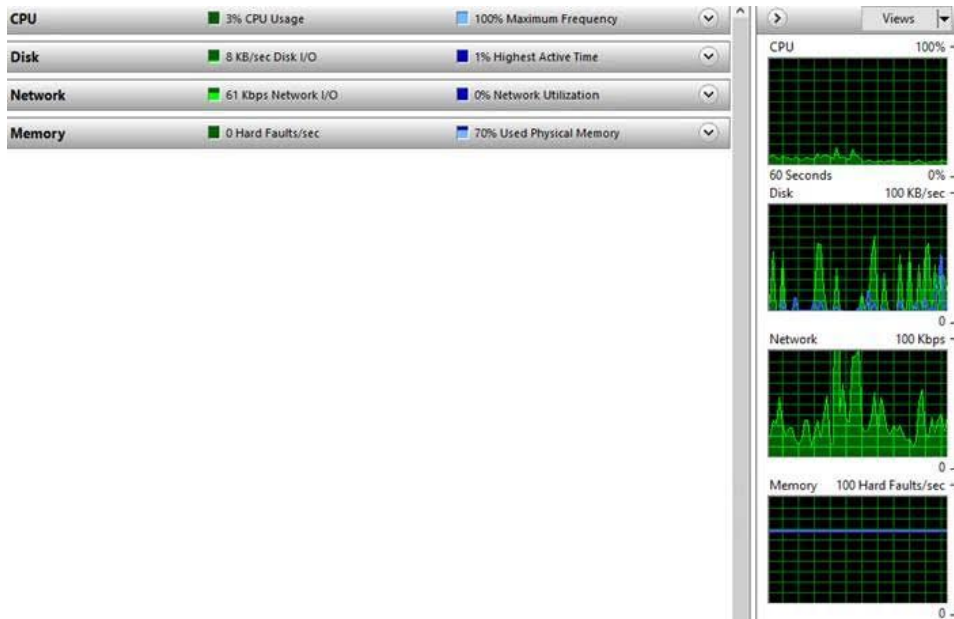
Local port: Specific Ports

20580-20605

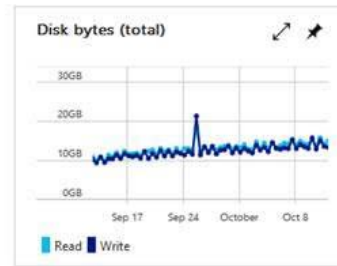
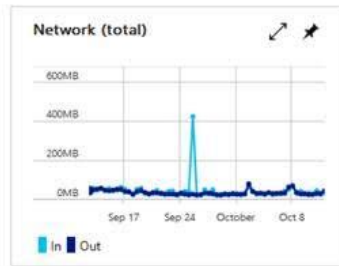
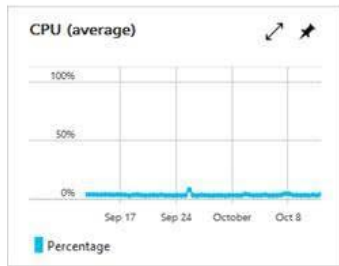
Example: 80, 443, 5000-5010

You may want to look at the SharingService.exe to verify the code is creating and allowing connection from UDP 20580-20605.

Regarding the resources on the VM, it looks like it is hardly being used so increasing resources on the VM is likely a waste:



Show data for last: 1 hour 6 hours 12 hours 1 day 7 days 30 days



Thank you,

Mike Ward - The University Of British Columbia

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10/16/2017

Gmail - AzureVM for HoloBrain project

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From: Ward, Mike

Sent: Wednesday, October 11, 2017 11:17 AM

To: Mehrdad Ghomi <mehrdadghomi@yahoo.com>; Robyn Choi <robyn3choi@gmail.com>

Subject: RE: AzureVM for HoloBrain project

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