

# 3.16 – Hyper-V Console and Enhanced Session Mode

Compared with normal RDP connection, Hyper-V console connection has following pros and cons:

## **Pros:**

- Don't need a network for the VM, don't need to have RDP enabled. Only need the VM GUID for connection.
- Same as a physical computer, Good for testing and some applications which cannot run under normal RDP.
- Don't require Terminal Services CALs.

## **Cons (if enhanced session mode is not enabled):**

- Limited RDP features, no resource redirection.
- Not all resolutions can be supported; can only change the resolution in Windows.

Since Window 2012 R2, Hyper-V console supports enhanced session mode which allow your redirect local resource in Hyper-V console session. To enable enhanced session mode in Spark View, please append ";EnhancedMode=1" to the VM GUID. Please check following link for more information about enhanced session mode:

<http://technet.microsoft.com/en-us/library/dn282274.aspx>

To connect to Hyper-V console, make sure:

- Enable CredSSP (Network Level Authentication) in gateway.conf.
- The server address is the Hyper-V server address; User name, password, and domain are all for Hyper-V server, not for the VM you are connecting to. Also be aware default listening port of Hyper-V console is 2179 instead of 3389. To connect to a VM, all you need is the VM GUID.
- Install Microsoft Virtual Machine Integration Services into the VM; disable cursor shadow (important) in the VM. It's better to adjust your computer for best performance.

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