Deploying MXvirtual in Azure Cloud

Getting Started Guide

Version 1.0

September 2018

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1 Introduction

MXvirtual is an IP Phone System and Unified Communications solution "Virtual Appliance" designed to operate in the Microsoft Azure cloud server and thus requires no physical hardware. MXvirtual requires an Activation License and Software Licenses which are necessary for the day-to-day operation of an MXvirtual system. Following deployment of an MXvirtual Instance onto a Microsoft Azure, it must be Activated before the system can be licensed and configured for day-to-day use.

1.1 Setup MXvirtual in Azure

1. Go to Azure Marketplace and navigate for **Zultys Mxvirtual by Connector73**

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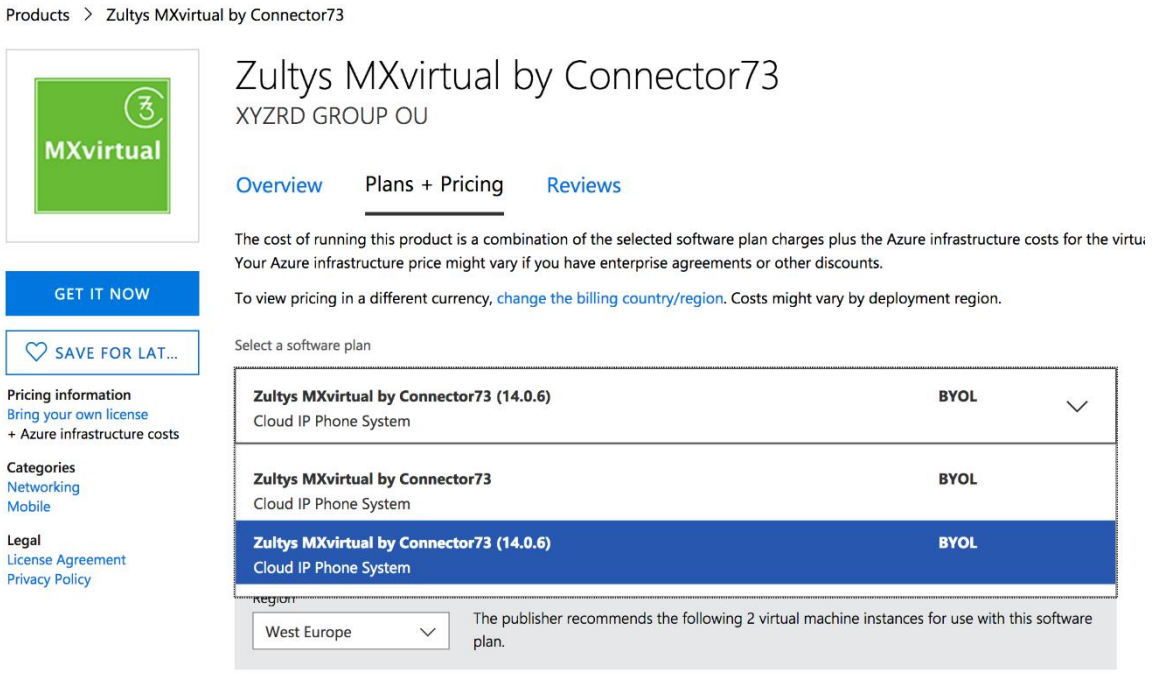
2. Go to **Plans + Pricing** tab and select latest version of Zultys MXvirtual by Connector73.



3. Click on **"GET IT NOW".** Enter contact information. After, it will redirect you to Azure portal. You have to be **logged in** with your **Microsoft account**.
4. In Azure portal, click on "**Create**" below the description of "Zultys MXvirtual by Connector73"and continue with deployment process. If you **do not have subscription**, Azure Portal will navigate you to create a new account. After that you need to re-login to Azure Portal, then continue from **Create a resource**; **Search marketplace** "Zultys MXvirtual by Connector73".
5. **Enter** basic information. Choose Authentication type as **Password**. SSH is closed on VM by default.

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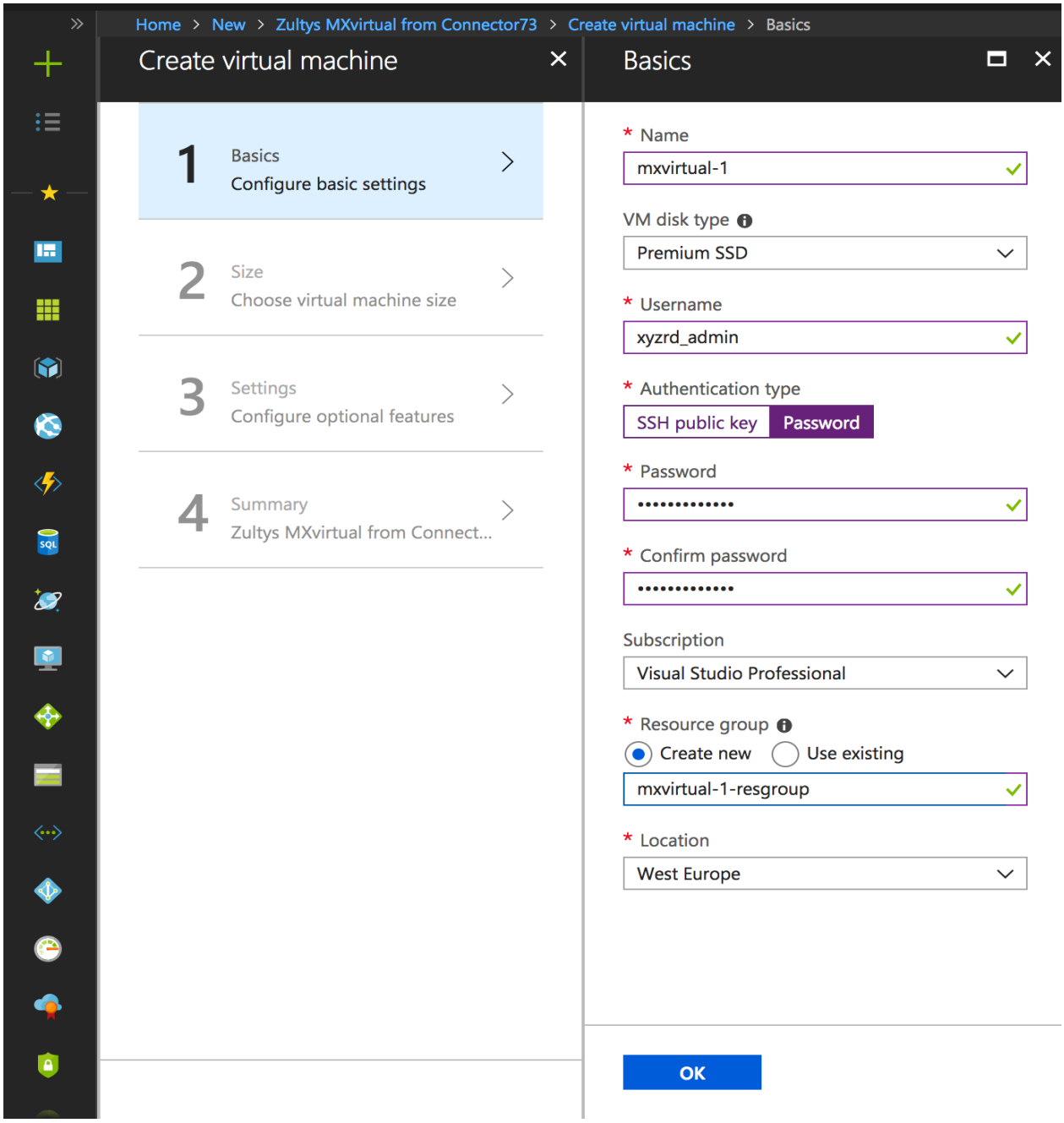
6. **Choose** virtual machine **size**. Based on location and subscription different VM sizes are available. We recommend using VM size Standard B2s. **More on VM sizes** [here.]



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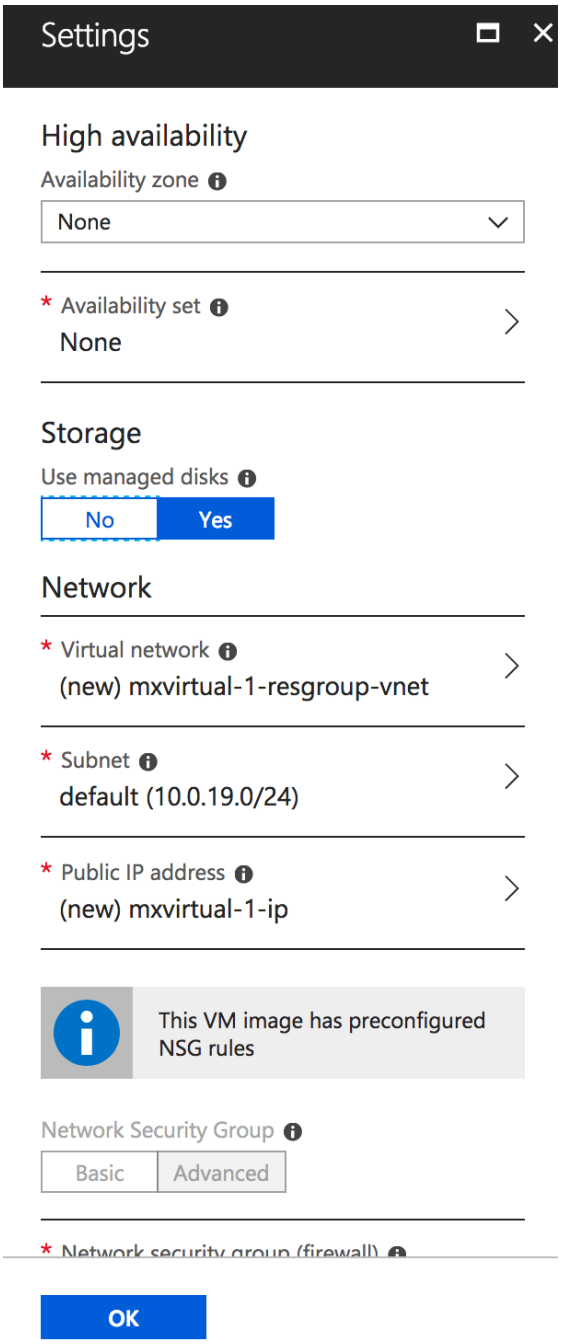
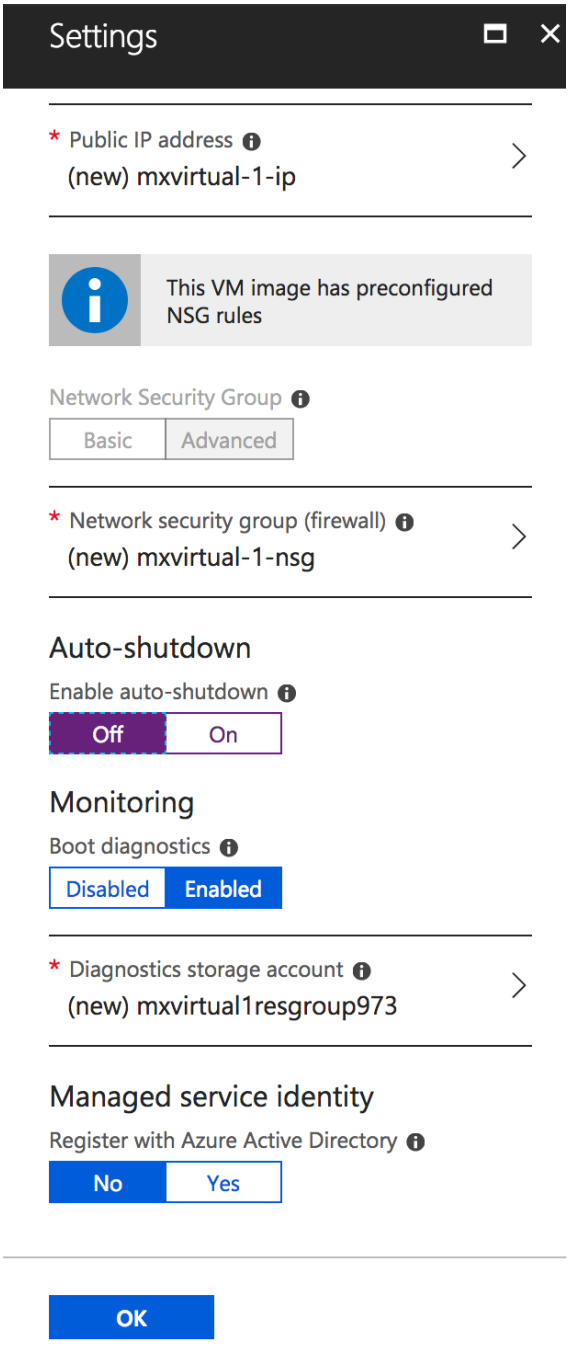
7. **Configure** optional features. Configure network settings. There is preconfigured network security group (NSG) rules. If desired new rules can be added.





➲More on Virtual Networks here. ➲More on Network Security Groups here.➲More on Public IP addresses here.

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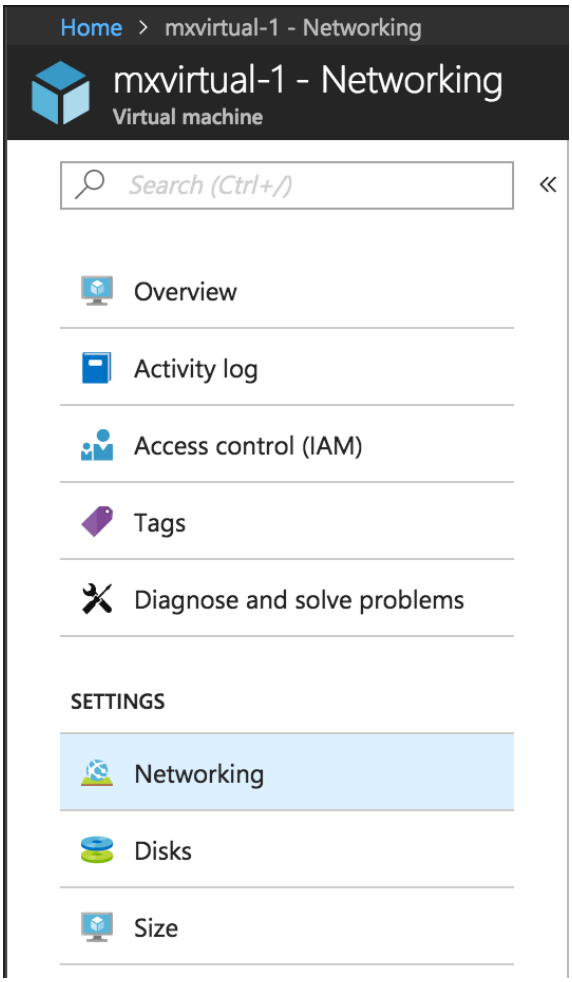
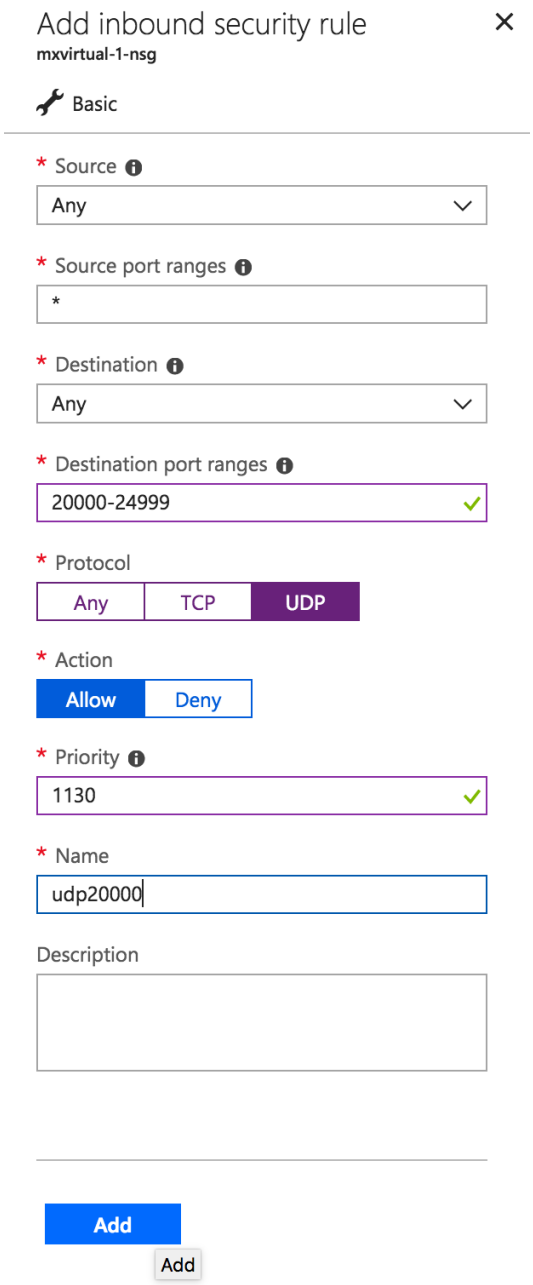
8. After deployment is **complete** you need to add extra NSG rules.

   • Inbound TCP ports 7100 – 7171
   • Inbound UDP ports 20000 – 24999

9. Go to **deployed VM** -> Settings -> Networking -> **Add inbound security rule**





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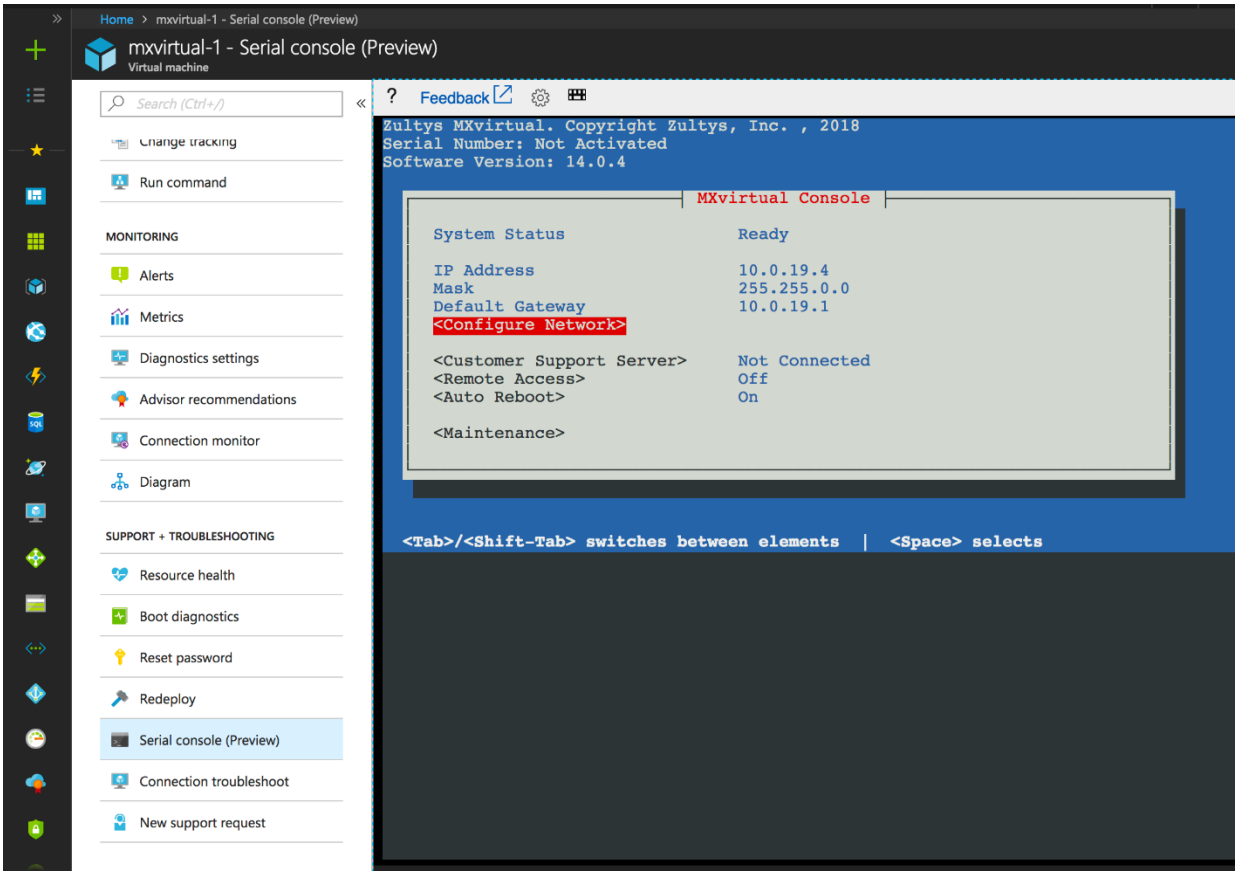
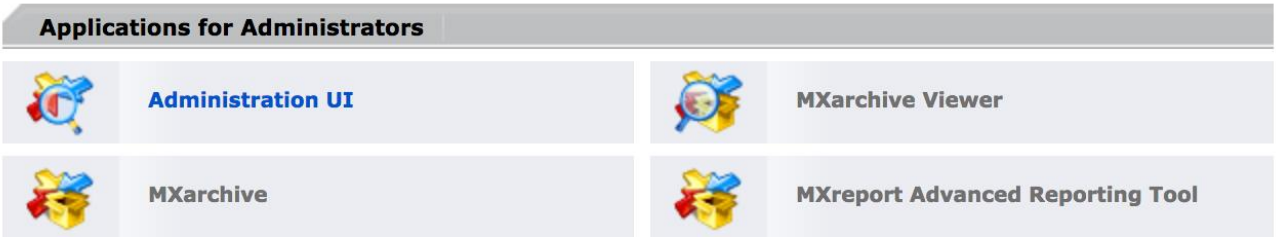
10. To access **serial console**, go to deployed VM -> Support + Troubleshooting -> Serial console



11. MXvirtual is configured from the **MX Administrator application**. To download and install the MX Administrator application for MXvirtual, open a browser, navigate to the main IP address of MXvirtual. (Public IP address of deployed VM).
12. Click on the **Administration UI link** to begin downloading the software.



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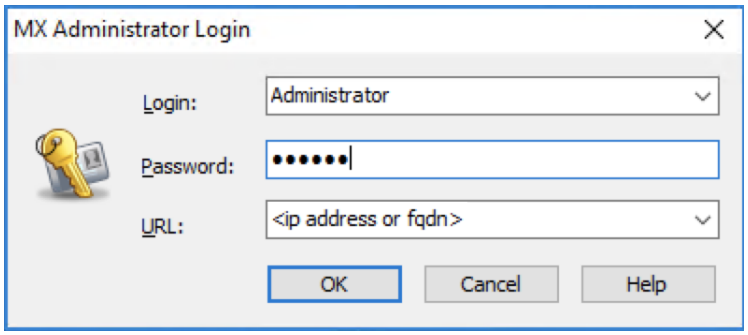
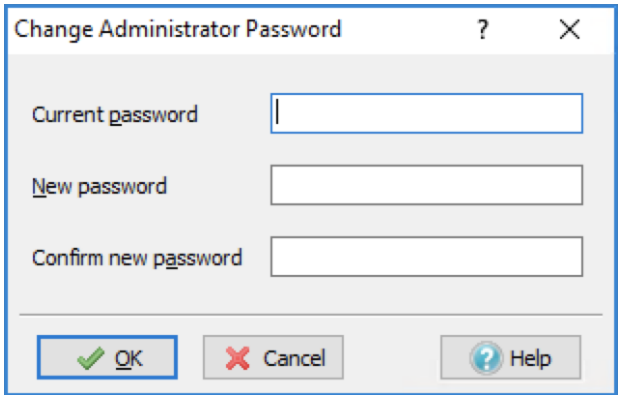
13. Once the installation is **complete**, the login window appears. Use default credentials at first login:

    - **Login**: Administrator
    - **Password**: zultys



14. **Change** the password immediately. In MX Administrator go to *File -> Administrator password*



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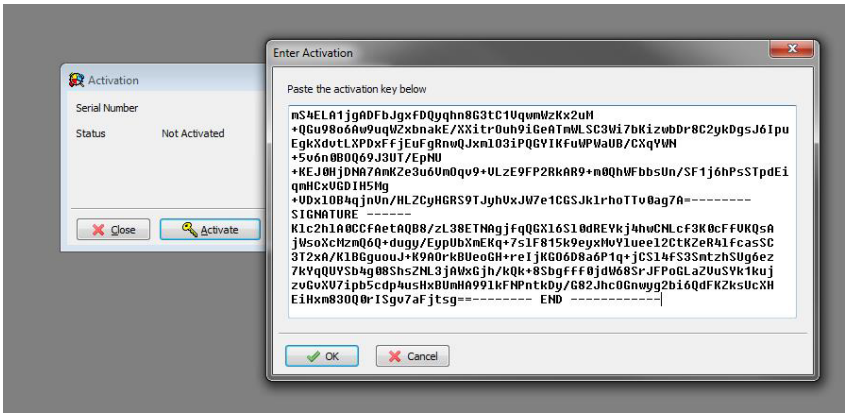
2 MXirtual Activation and Software Licenses.

Following deployment of an MXvirtual Instance onto a Microsoft Azure it must be Activated before the system can be licensed and configured for day-to-day operation. During the Activation process, MX system transmits the Activation License containing a unique Serial Number to the Zultys Activation Server (ZAS) via the Internet. Once the Activation process is complete, Software Licenses generated for the matching Serial Number may be applied and MXvirtual configured for use.

***Note**: If MXvirtual is unable to contact the ZAS, it will be Conditionally Activated. If connectivity to the ZAS is not established within 3 days, the system will enter Activation Suspended state.*

1. In **MX Administrator** navigate to *Maintenance -> Activation*.
2. Click on ***Activate***. Enter Activation window appears. Copy the License Activation key you received from Zultys and paste it here. Make sure that the entire text of License Activation file has been **duplicated**.



Possible Activation States

State	Description
Not Activated	MXvirtual has never been Activated. It has no Serial Number and thus cannot have Software Licenses applied.
Activated	MXvirtual has been Activated. Software Licenses for the related serial number may be applied.
Activated, Unconfirmed	MXvirtual is conditionally Activated, indicating that an Activation License has been applied but the system has been unable to connect to the Activation Server to confirm the validity of the License. If connection to Activation Server is not established within 3 days, the system's Activation will be suspended.
System Compromised	Another MXvirtual system is using the same Activation License. This MXvirtual is considered the primary License Holder; the other system using the Activation License will be suspended.

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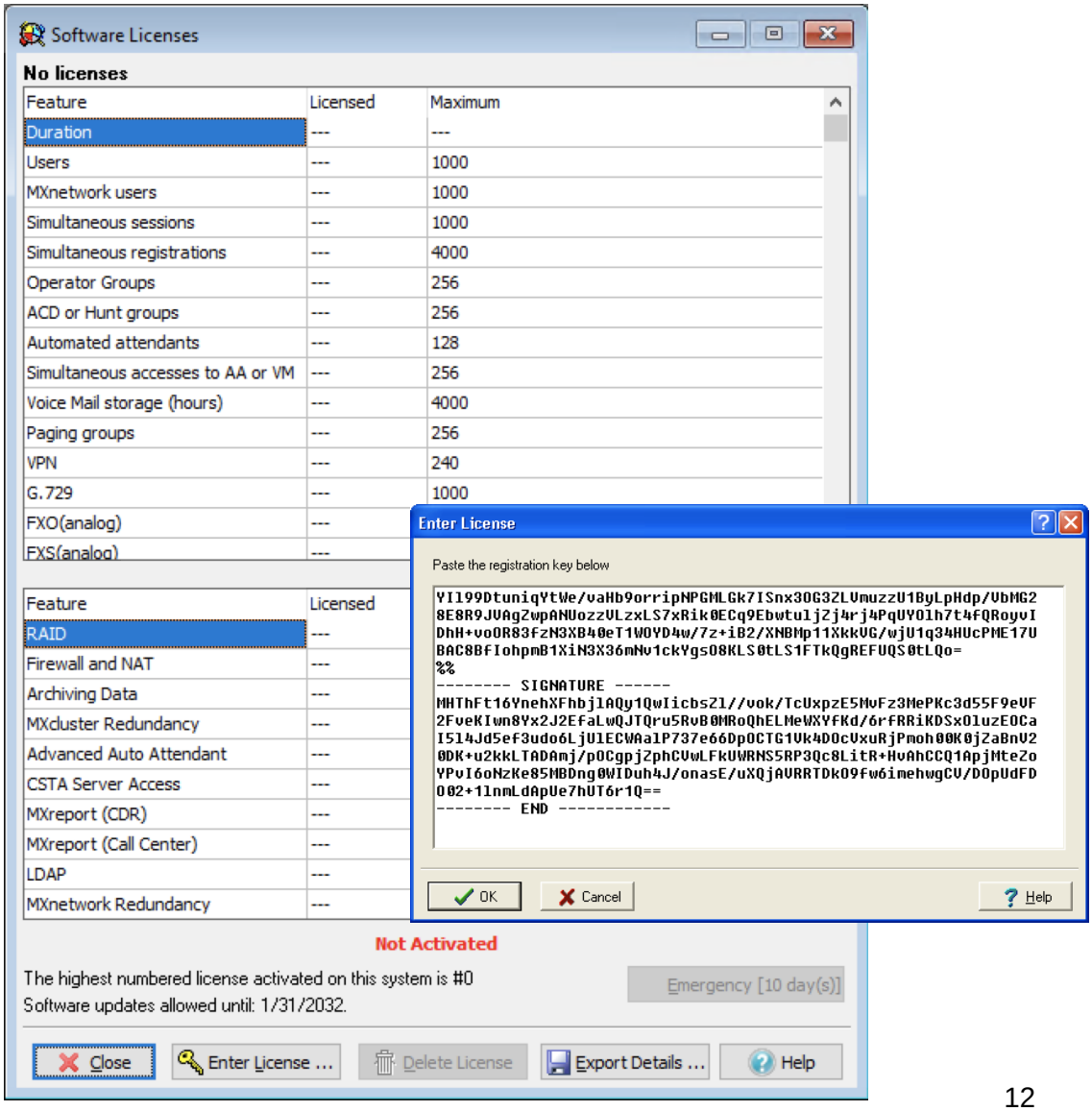
System Replicated	Another MXvirtual system is using the same Activation License. The other MXvirtual is considered the primary License Holder. The other MXvirtual using this Activation License must be shut down; otherwise the Activation on this MXvirtual will be Revoked.
Activation Suspended	Activation has been suspended because MXvirtual is unable to connect to the Activation Server to confirm the validity of the Activation License.
Activation Revoked	The Activation License has been revoked because MXvirtual was using a duplicated Activation License.

3. After successful activation Software licenses can be installed. Navigate to **Maintenance** -> **Software Licenses**

4. Click on **Enter License** button. Copy the Software License you received from Zultys and paste it here



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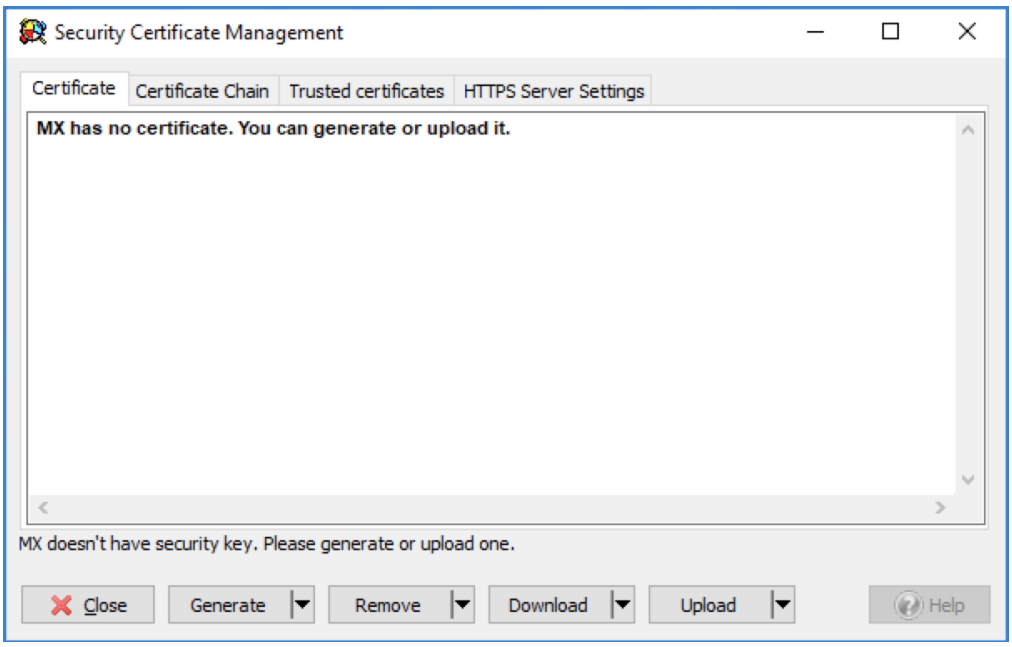
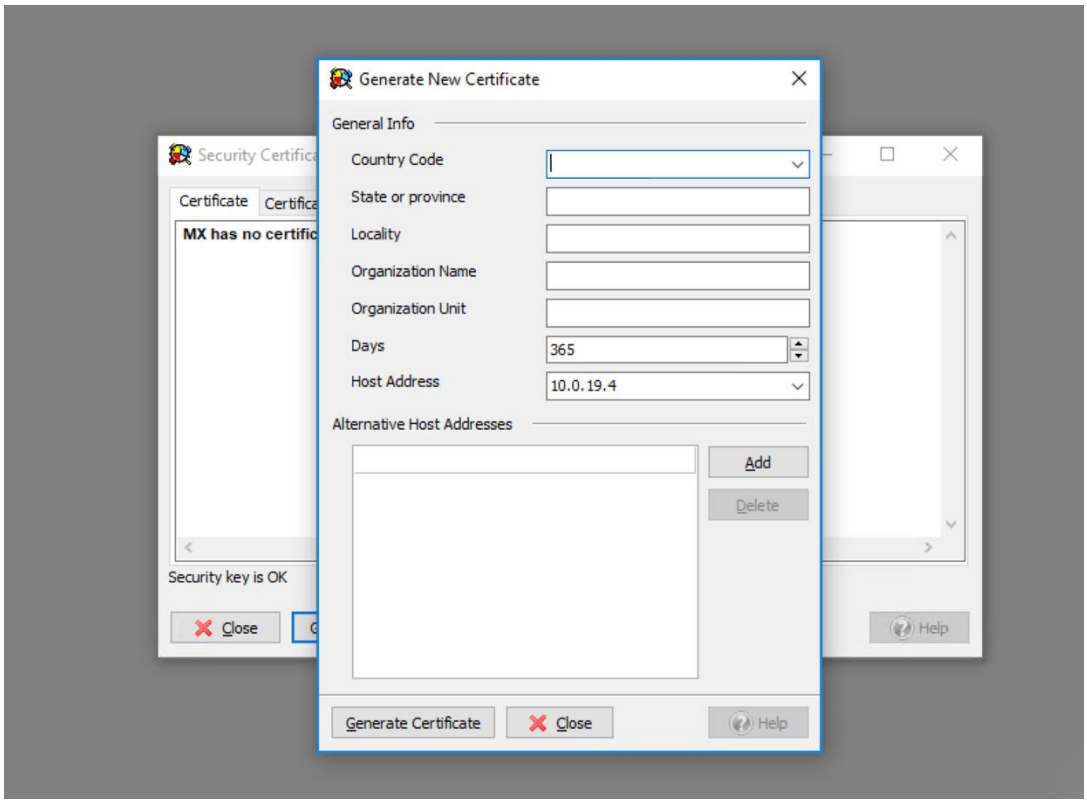
5. SSL Certificate Installation.
6. To install SSL certificate, navigate to **Maintenance** -> **Security Certificate Management.**



15. You can install self-signed certificate. For this click on **Generate** and generate new Security key. Afterwards generate self-signed certificate.



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7. To install certificate from trusted CA you need to manually upload files. From Maintenance -> Security Certificate Management click on **Upload** button. Then upload "Security key", "Certificate" and "Certificate Chain" files obtained from CA.

➲More information is available in MX Administrator's manual from Help -> Administrator's Manual.

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