ICONICS

Make the Invisible Visible™

Creating a Virtual Machine with an ICONICS Offer on the Azure Marketplace

Contents

Copyright and Confidentiality

By accessing and using the installation instructions (the "instructions") you acknowledge and agree, on your behalf and on behalf of the person, entity or other organization on whose behalf you are accessing the instructions, that neither ICONICS nor any of its service providers, including, without limitation, any system integrator or independent software vendor: (1) makes any representations or warranties of any kind, either express, implied, statuary or otherwise with respect to the instructions, including the accuracy, completeness or usefulness thereof; and (2) shall be liable for damages of any kind, under any legal theory, arising out of or in connection with your election to follow or use, or inability to follow or use, the instructions, including any direct, indirect, incidental, special, punitive or consequential damages, or for loss of use, loss of profits, loss of data, loss of business, or loss of privacy or security, even if foreseeable, arising out of or in connection with your election to follow or use, or inability to follow or use, the instructions. You further acknowledge and agree that your use of the instructions, whether directly or indirectly, is at your own risk and that you expressly assume all risk in connection with your use of the instructions. If you do not agree to the foregoing, you may not access or use the instructions.

Authors

- Zhi Wei Li, Director of Innovation and Incubation Solutions

1 Introduction

ICONICS products can be easily hosted on the Microsoft Azure platform by creating a virtual machine using the ICONICS published Virtual Machine offering for your desired product version from the Azure Marketplace.

The virtual machine offers by ICONICS on the Azure Marketplace contain the complete installation of GENESIS64™, Hyper Historian™, IoTWorX™ and AnalytiX® Suite, and are available starting from version 10.96 with the latest Critical Fixes Rollup.

The ICONICS offers will be updated whenever a new Critical Fixes Rollup is released so the offer image will always have the latest fixes for given version.

For the purpose of this example, we will use the version 10.96 offer as a reference.

2 Create an ICONICS Virtual Machine

To create an ICONICS virtual machine on Microsoft Azure, we would do the following:
1. From the Azure portal, click on the **Create a resource** button to open the Azure Marketplace

    Create a
    resource

2. Search for **ICONICS** from the search bar at the top
3. Select the **ICONICS Suite 10.96** result

4. Click on **Create** button at the top
5. In the **Basics** tab, under **Project details**, make sure the correct subscription is selected and then select or create a resource group.
    a. To create a new resource group, click on the **Create new** link under the **Resource group** drop down field and enter your desired resource group name, i.e.: myResourceGroup

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ	Pay-As-You-Go ⌄
└── Resource group * ⓘ	(New) myResourceGroup ⌄
	Create new

6. Under **Instance details**, enter a name for the **Virtual machine name** and choose your desired **Region**. Leave the other defaults.

Instance details

Virtual machine name * ⓘ	myICONICSVM ✓
Region * ⓘ	(US) East US ⌄
Availability options ⓘ	No infrastructure redundancy required ⌄
Image * ⓘ	ICONICS Suite v10.96 ⌄
	Browse all public and private images
Azure Spot instance ⓘ	◯ Yes ◉ No
Size * ⓘ	Standard_B4ms - 4 vcpus, 16 GiB memory ($132.86/month) ⌄
	Select size

7. Under **Administrator account**, provide a **Username**, such as azureuser and a password. The password must be at least 12 characters long and meet the defined complexity requirements.

Administrator account

Username * ⓘ	azureuser ✓
Password * ⓘ	••••••••••• ✓
Confirm password * ⓘ	••••••••••• ✓

8. Click on **Next : Disks >** at the bottom to select disk options
9. Select the desired **OS disk type**

Disk options

OS disk type * ⓘ	Premium SSD ⌄
Encryption type *	(Default) Encryption at-rest with a platform-managed key ⌄

10. Click on **Review + create** if the default options are to be applied for the other options
11. Once validation is passed, click on **Create** button to create the VM
12. A page shows up that reports on the provisioning progress of the VM
13. Once the provisioning process is complete, you will get a provisioning success page

3 Accessing your ICONICS virtual machine

Once a VM is provisioned, you can use Microsoft remote desktop to access the VM. Follow the steps below to access your virtual machine.

1. From the Azure portal, search for **Virtual machines** from the search bar at the top
2. Click on the **Virtual machines** result
3. This brings you to a page that lists the virtual machines in your subscription
4. Click on the name of the virtual machine that you wish to access
5. From the virtual machine overview page, click on the **Connect** button at the top
6. Select **RDP** from the drop down
7. Click on **Download RDP File**
8. Choose where to save the RDP file
9. Open the downloaded RDP file
10. Follow the on-screen instructions to access the VM with the user account defined when creating the VM

4 Conclusion

By leveraging an ICONCS Suite offer on the Azure Marketplace, you can quickly be up and running with a virtual machine with ICONICS products with the most recent critical fixes preinstalled on Microsoft Azure.

Founded in 1986, ICONICS is an award-winning independent software provider offering real-time visualization, HMI/SCADA, energy management, fault detection, manufacturing intelligence, MES, and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70 percent of the Global 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality, and to be more sustainable.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil and gas, renewable energy, utilities, water and wastewater, pharmaceuticals, automotive, and many other industries. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite, and MobileHMI™ mobile apps. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity, and excellence in product design, development, technical support, training, sales, and consulting services for end users, systems integrators, OEMs, and channel partners. ICONICS has over 375,000 applications installed in multiple industries worldwide.

ICONICS Sales Offices

World Headquarters
100 Foxborough Blvd.
Foxborough, MA, USA, 02035
📞 +1 508 543 8600
✉ us@iconics.com

European Headquarters
Netherlands
📞 +31 252 228 588
✉ holland@iconics.com

Australia
📞 +61 2 9605 1333
✉ australia@iconics.com

Canada
📞 +1 647 544 1150
✉ canada@iconics.com

China
📞 +86 10 8494 2570
✉ china@iconics.com

Czech Republic
📞 +420 377 183 420
✉ czech@iconics.com

France
📞 +33 4 50 19 11 80
✉ france@iconics.com

Germany
📞 +49 2241 16 508 0
✉ germany@iconics.com

India
📞 +91 265 6700821
✉ india@iconics.com

Italy
📞 +39 010 46 0626
✉ italy@iconics.com

Middle East
📞 +966 540 881 264
✉ middleeast@iconics.co

Singapore
📞 +65 6667 8295
✉ singapore@iconics.com

UK
📞 +44 1384 246 700
✉ uk@iconics.com

For more, visit iconics.com

Gold
Microsoft Partner
Six-time Partner of the Year Winner

VISUALIZE | HISTORIZE | MOBILIZE | ANALYZE | IoT CLOUD