

# Microsoft Project “Honolulu” Technical Preview

## What is Honolulu?

Honolulu is a flexible, locally-deployed, browser-based management platform and solution. It contains core tools for troubleshooting, configuration, and maintenance for Windows Server and Microsoft Hyper-V Server.

## What can I do with Honolulu?

Honolulu is not just a read-only tool. IT admins can complete many server management tasks right from Honolulu, from Windows Update, to creating VMs.

## How do I configure my servers to manage them with Honolulu?

No server-side configuration is required! Simply install Honolulu on a host with access to the target servers, and add servers to Honolulu by name or IP. (WMF 5.1 required on WS12/R2)

## Does Honolulu require Azure?

No, it can be deployed locally on Windows 10 or Windows Server. No internet connection is required.

## How much does Honolulu cost?

Honolulu is free! Download at <https://aka.ms/HonoluluDownload>

## Which versions of Server does Honolulu support?

Use Honolulu to manage your Windows Server 2016, 2012 R2, and 2012 target servers. The Honolulu gateway can be installed on Windows 10 or Windows Server 2016.

## Which browsers are supported?

Access Honolulu using a modern browser. Currently, we’ve tested with Edge and Chrome.

## When will Honolulu be generally available?

Sometime in 2018.

## What about 3rd-party extensions?

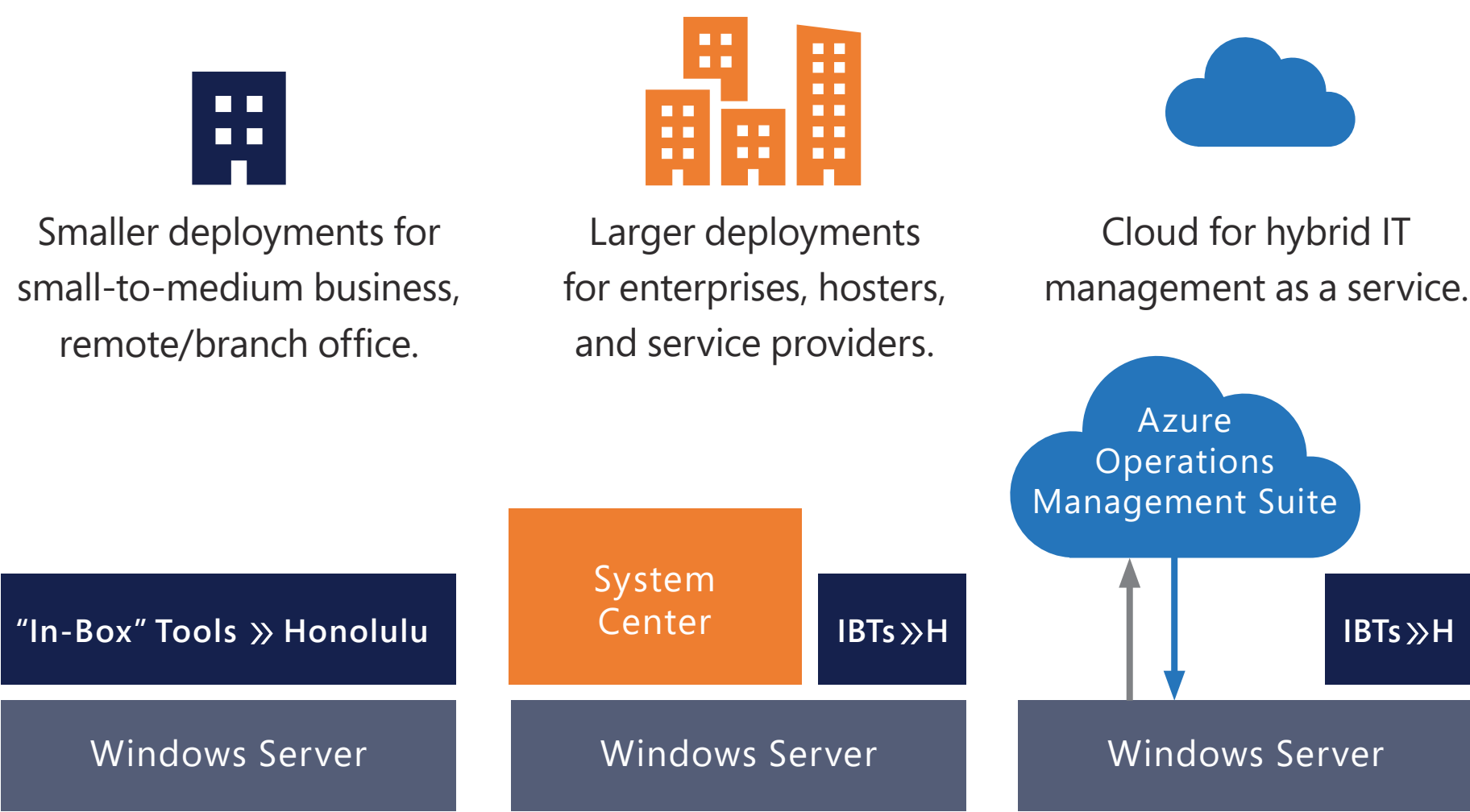
We are starting to work with early-adopter partners to refine our SDK and extension model. Join the Server TAP program to participate: <https://aka.ms/JoinServerTAP>



## Overview

### The evolution of “in-box” tools

Honolulu is the modern evolution of “in-box” management tools like Server Manager and MMC. It is complementary to System Center and Operations Management Suite, and is not intended to replace these products and services.



### Simplified server management

Honolulu consolidates your many distinct tools into one clean, simple, powerful interface. Rather than switching between several different tools and contexts, you can see a holistic overview of your resources and dig into the granular details. Over time, the Honolulu ecosystem will grow to support increasingly broader and deeper management functionality.



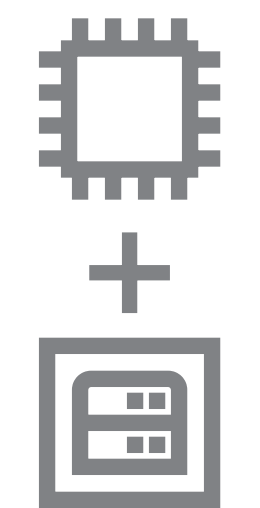
### Illuminate your datacenter infrastructure

With Honolulu, you can connect to all the important parts of your infrastructure, including Windows Server 2016 and 2012 R2/2012 and Microsoft Hyper-V Server 2016 and 2012 R2/2012. Honolulu allows you to manage servers, failover clusters, hyper-converged clusters, and virtual machines from the same console.



### The tools you know, reimagined

We’ve constructed Honolulu to provide the core familiar tools you have used in the past, all in one package. From Firewall rules to Windows Update, Certificate Manager to File Explorer, now you can connect to a machine and do your work from one place.



### Manage your Hyper-converged Infrastructure

Honolulu’s radically simplified, powerful GUI enables you to configure and manage your hyper-converged clusters. You can see cluster-wide alerts and get an easy look at the inventory and health of the compute and storage resources of your cluster.

## Architecture & Deployment

### Lightweight installation, easy access

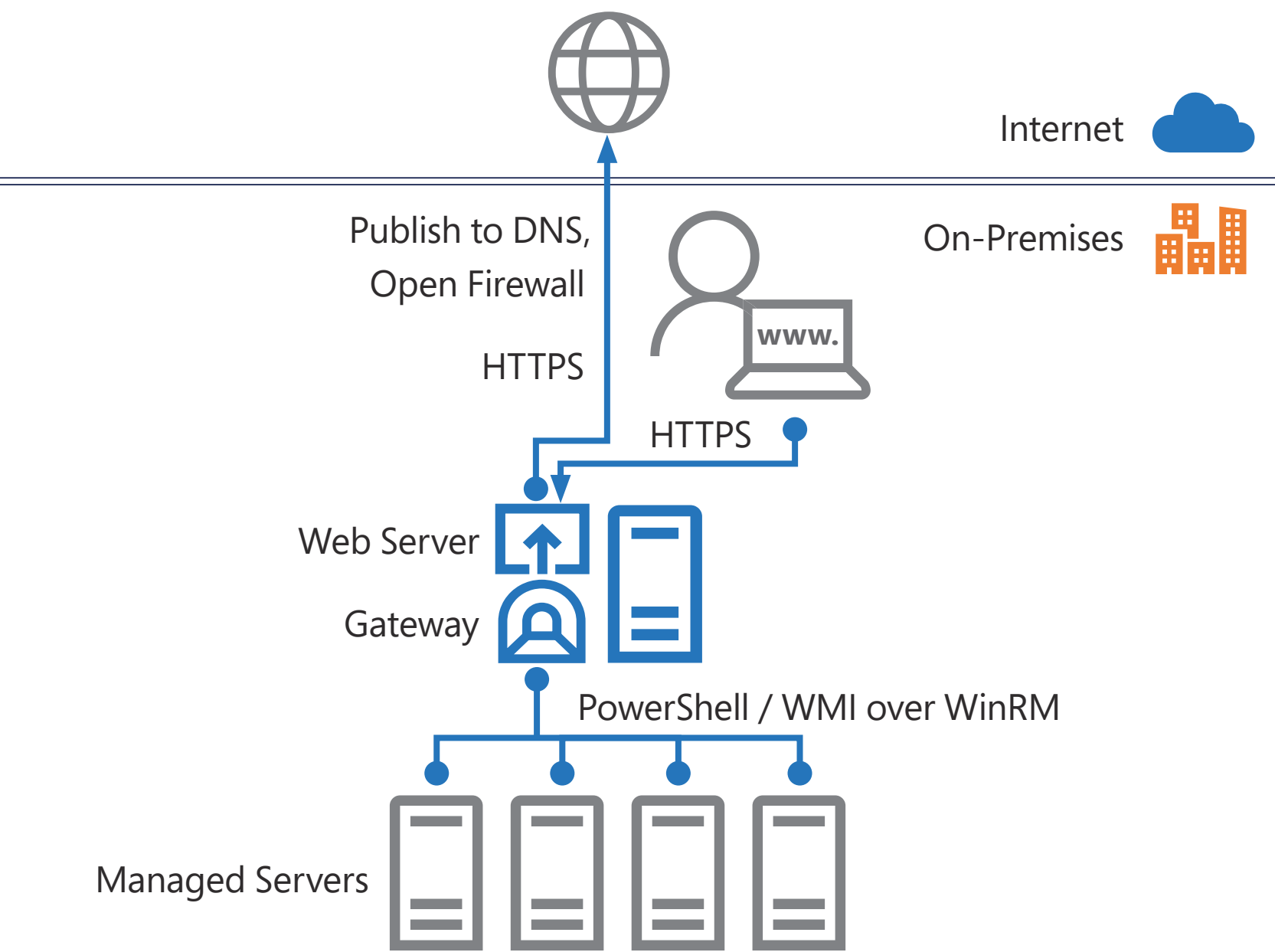
Honolulu consists of two components:

- 1) Gateway** manages servers via Remote PowerShell and WMI over WinRM
- 2) Web Server** listens to HTTPS requests and serves the UI to the client web browser.

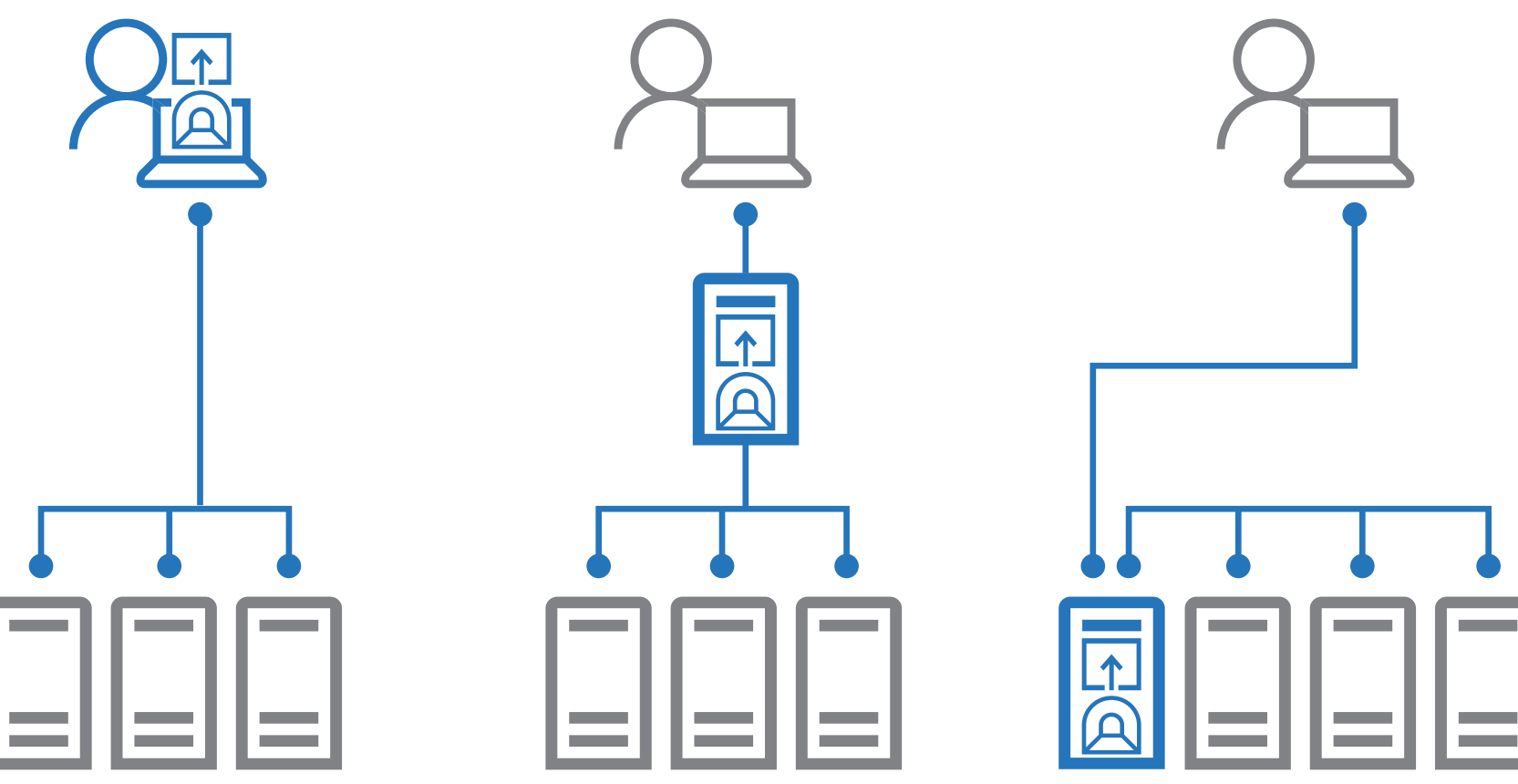
Together, these components are installed from a single lightweight MSI.

Publishing the web server to DNS and setting up the corporate firewall can allow you to access Honolulu from the public internet, enabling you to connect to and manage your servers from anywhere with a modern web browser.

Manage your target servers without installing an agent. There is no configuration needed to manage target Windows Server 2016 servers. WS 2012 and 2012 R2 require WMF 5.1 installation for management with Honolulu.



### Flexible deployment to meet your needs



Install on a local Windows 10 client that has connectivity to the managed servers. Great for quick start, testing, ad-hoc or small scale scenarios.

Install on a designated gateway server and access from any client browser with connectivity to the gateway server.

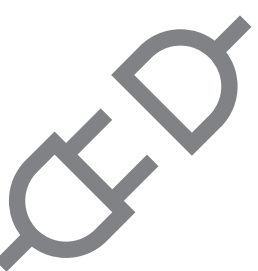
Install directly on a managed server for the purpose of managing itself or a cluster in which it's a member node.

## Extensibility & Future



### Extensibility built into the architecture

All the core tools of Honolulu are built as separate modules. At this point in development, Honolulu comes pre-populated with Server Manager, Failover Cluster Manager, and Hyper-Converged Cluster Manager. With deep linking into specific tools within modules, the user experience can seamlessly transition between contexts. We are also starting to work with early-adopter 3rd-party partners to refine our SDK and extension model.



### Designing for integration opportunities

iFrame separation allows for implementation variety and portability of extension modules, meaning third parties can develop modules according to their needs. Content can be rendered for integration back into Azure or other cloud scenarios to enable hybrid management in the future.



### Designed for you, with you!

We have been and will continue to prioritize your feedback and feature requests as we continue development.

Please provide your feedback via UserVoice: <https://aka.ms/HonoluluFeedback>

### Check out our Ignite Sessions

25	Discover what's new with Windows Server management experiences Samuel Li, Jeff Woollayer	Mon 9/25 4:00-5:15 PM OCCC West Hall F1, BRK2109
26	Manage and monitor your Windows Server 2016 hyper-converged infrastructure Cosmos Darwin, Daniel Lee	Tues 9/26 2:15-3:30 PM OCCC West Hall E1, BRK3123
27	Windows Server: What's new and what's next Chris Van Wesep, Erin Chapple	Wed 9/27 9:00-10:15 AM OCCC West Hall F1, BRK1038
28	What's new in Windows Server fall release for the software-defined datacenter Jeff Woolsey, Claus Joergensen	Thurs 9/28 2:15-3:30 PM OCCC West Hall F2, BRK2278

Try Honolulu for yourself!  
<https://aka.ms/HonoluluDownload>



Want to learn more?  
<https://aka.ms/ProjectHonolulu>