Deploy WordPress for Intel Packaged by Bitnami using Azure Cloud Marketplace

WordPress for Intel is a ready-to-run solution with enhanced security and performance. The WordPress for Intel virtual machine (VM) image is packaged with an optimized software stack to utilize the Intel® Advanced Encryption Standard New Instructions set (AES-NI) offered on the 3rd Gen Intel® Xeon® Scalable Processor known as Ice Lake. In addition, the encryption instructions pair with algorithmic and software innovations to deliver breakthrough performance for the industry’s most widely deployed cryptographic ciphers.

This Quick Start document is a step-by-step guide to deploy NGINX for Intel packaged by Bitnami on the Microsoft Azure Ice Lake instances that enables the Intel Optimized Cloud Stack for WordPress.

What does the WordPress for Intel package include?
WordPress for Intel includes the following pre-compiled binaries:

<table>
<thead>
<tr>
<th>Intel Optimized Library</th>
<th>Minimum Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Async Nginx</td>
<td>0.4.5</td>
</tr>
<tr>
<td>QAT Engine</td>
<td>0.6.5</td>
</tr>
<tr>
<td>IPP Crypto</td>
<td>2021.2</td>
</tr>
<tr>
<td>IPsec Crypto</td>
<td>1.0.0</td>
</tr>
</tbody>
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Prerequisites
This quick follow-along guide expects the following prerequisites:

- A Microsoft account with Azure subscription for resource management and billing purpose. Visit [Get Started with Microsoft Azure](https://azure.microsoft.com) for more information.
- WordPress for Intel requires an Ice Lake instance.
Let's deploy the WordPress for Intel from the Azure marketplace

1. Launch WordPress for Intel on Azure Compute Engine:
   Visit the WordPress for Intel Azure Marketplace page and click the Create button.

2. Configure WordPress for Intel Ice Lake VM deployment:
   Here is the step-by-step guide to configure WordPress for Intel on the Azure Ice Lake instances:
   a. Basics tab:
      Configuring all required parameters is needed to successfully validate configuration and create the VM. Next, in the Project details, set Subscription and a new or existing Resource Group for resource management and billing purpose.
Next, setting the correct Instance details is required to deploy WordPress on the Ice Lake machine. Type in the Virtual Machine name for the WordPress for Intel image. Specify the correct Region of Ice Lake availability and VM Size. The Ice Lake instances on Microsoft Azure are as follows:

- Dv5 and Dsv5-series
- Ddv5 and Ddsv5-series
- Edv5 and Edsv5-series
- Ev5 and Esv5-series

To verify the Region of availability for the Ice Lake instances, please go to Azure instances availability by Region for up-to-date regional availability. By default, the latest Image is selected, and it is recommended. However, the drop-down list contains all the available versions. Configure other Instance settings as required by your software needs.
Lastly, set the **Administrator account** settings **Username** and **Key pair name** required for the VM instance configuration.
b. Review configuration and Create a VM:

Review the required settings for Disks, Networking, Management, Advanced, and Tags. Update all default settings as needed. Once reviewed and configured, go to the Review + Create tab. Microsoft Azures verifies the configuration, and if it passes, a green check mark with the message Validation passed appears. Otherwise, Validation may fail and indicate all incorrect fields within each tab that needs correction. Once Validation passes, click Create.

Create initiates the deployment process and waits for it to complete. Once completed, a green checkmark and completion message appears along with Deployment details and Next steps. Next, click on Go to resource.
3. **WordPress VM resource management:**
   Clicking on Go to resource navigates to the resource management page, which displays VM instance details as configured along with the IP address and options to manage the instance such as connect, stop, delete options.

4. **Launch WordPress for Intel instance default webpage:**
   Copy the Public IP address and paste it into the web browser, and the default WordPress site should launch in the web browser. For best-known practices and next steps, visit Bitnami’s Get started With WordPress.
Hello world!

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

Categorized as Uncategorized

Connect with us
Connect with Intel product experts to ask questions at Intel Collective at Stack Overflow.

Visit the Bitnami community for queries regarding the WordPress for Intel package.

Learn More
Ice Lake instances launch on Azure

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Your costs and results may vary.

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