

# Azure Sphere OS

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**Azure Sphere OS** is a custom Linux-based [microcontroller operating system](#) created by Microsoft to run on an Azure Sphere-certified chip and to connect to the Azure Sphere [Security Service](#). The Azure Sphere OS provides a [platform](#) for [Internet of Things application](#) development, including both high-level applications and real-time capable applications. It is the first operating system running a Linux kernel that Microsoft has publicly released and the second [Unix-like](#) operating system that the company has developed for external (public) users, the other being Xenix.

Source: [https://en.wikipedia.org/wiki/Azure\\_Sphere](https://en.wikipedia.org/wiki/Azure_Sphere)

Datasheet	
<b>Developer</b>	Microsoft
<b>Written in</b>	C and others
<b>OS family</b>	Unix-like (Linux)
<b>Working state</b>	Current
<b>Source model</b>	At least partially open source
<b>Initial release</b>	
<b>Latest release</b>	19.10, released 2019; 24 February 2020
<b>Available in</b>	English
<b>Platforms</b>	ARM (MediaTek MT3620)
<b>Kernel type</b>	Monolithic Kernel
<b>Default user interface</b>	
<b>License</b>	TBD
<b>Official Website</b>	<a href="https://azure.microsoft.com/en-us/services/azure-sphere/">https://azure.microsoft.com/en-us/services/azure-sphere/</a>

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