

# Downloads

ONOS packages are meant to be the official source for any production deployment. So, if you need to deploy ONOS in production, please download the tar.gz or zip package of the ONOS version you prefer.

**ONOS source code** is for development activities only and can also be downloaded by cloning the ONOS repository (Instructions [here](#)).

## Official Releases

The following links allow you to download the official ONOS releases.

Name	Version	JAVA API	Date	File types	Notes	About the Bird
Magpie	1.12.0	<a href="#">API-1.12.0</a>	Dec 11, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes</a>	<a href="#">About the bird</a>
Loon	1.11.1	<a href="#">API-1.11.1</a>	Sep 15, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		<a href="#">About the bird</a>
	1.11.0	<a href="#">API-1.11.0</a>	Sep 8, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes</a>	
Kingfisher	1.10.4	<a href="#">API-1.10.4</a>	Aug 25, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		<a href="#">About the bird</a>
	1.10.3	<a href="#">API-1.10.3</a>	Aug 2, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.10.2	<a href="#">API-1.10.2</a>	Jun 22, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.10.0	<a href="#">API-1.10.0</a>	Jun 5, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes</a>	
Junco	1.9.2	<a href="#">API-1.9.2</a>	Jun 22, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		<a href="#">About the bird</a>
	1.9.0	<a href="#">API-1.9.0</a>	Feb 28, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes</a>	
Ibis	1.8.9	<a href="#">API-1.8.9</a>	Jun 22, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		<a href="#">About the bird</a>
	1.8.7	<a href="#">API-1.8.7</a>	May 15, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.8.6	<a href="#">API-1.8.6</a>	May 9, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.8.5	<a href="#">API-1.8.5</a>	May 8, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.8.4	<a href="#">API-1.8.4</a>	Mar. 9, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.8.3	<a href="#">API-1.8.3</a>	Mar. 8, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.8.2	<a href="#">API-1.8.2</a>	Jan 12, 2017	<a href="#">zip</a> , <a href="#">tar.gz</a>		
	1.8.0	<a href="#">API-1.8.0</a>	Dec. 9, 2016	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes</a>	
Hummingbird	1.7.1	<a href="#">API-1.7.1</a>	Oct. 25, 2016	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes for 1.7.1</a>	<a href="#">About the bird</a>
	1.7.0	<a href="#">API-1.7.0</a>	Sept. 23, 2016	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes for 1.7.0</a> <a href="#">pptx</a>	
Goldeneye	1.6.0	<a href="#">API-1.6.0</a>	Jun. 24, 2016	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes for 1.6.0</a> <a href="#">pptx</a>	<a href="#">About the bird</a>
Falcon	1.5.1	<a href="#">API-1.5.1</a>	Apr. 20, 2016	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes for 1.5.1</a>	<a href="#">About the bird</a>
	1.5.0	<a href="#">API-1.5.0</a>	Mar. 10, 2016	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes for 1.5.0</a> <a href="#">Documentation for 1.5.x</a> <a href="#">pptx</a>	
Emu	1.4.0	<a href="#">API-1.4.0</a>	Dec. 16, 2015	<a href="#">zip</a> , <a href="#">tar.gz</a>	<a href="#">Release Notes for 1.4.0</a> <a href="#">Documentation for 1.4.x</a> <a href="#">pptx</a>	<a href="#">About the bird</a>

Drake	1.3.0	<a href="#">API-1.3.0</a>	Sept. 18, 2015	zip, tar.gz, deb, rpm	Release Notes for 1.3.0 Documentation for 1.3.x pptx	About the bird
Cardinal	1.2.2	<a href="#">API-1.2.2</a>	Sept. 1, 2015	zip, tar.gz	Release Notes for 1.2.2	About the bird (Stanford "Cardinal" refers to the color, NOT the bird)
	1.2.1	<a href="#">API-1.2.1</a>	June 25, 2015	zip, tar.gz	Release Notes for 1.2.1	
	1.2.0	<a href="#">API-1.2.0</a>	June 5, 2015	zip, tar.gz	Release Notes for 1.2.0 Documentation for 1.2.x	
Blackbird	1.1.0	<a href="#">API-1.1.0</a>	Mar. 17, 2015	zip, tar.gz	Release Notes for 1.1.0 Documentation for 1.1.x	About the bird The legendary Blackbird Jet In honor of Beatles
Avocet	1.0.1	<a href="#">API-1.0.1</a>	Jan. 22, 2015	zip, tar.gz	Release Notes for 1.0.1	About the bird
	1.0.0	<a href="#">API-1.0.0</a>	Dec. 5, 2014	zip, tar.gz	Release Notes for 1.0.0 Documentation for 1.0.x	

## Docker Images

Docker images for ONOS are available from the [onosproject/onos](#) page on Dockerhub. Docker images for released versions of ONOS and the latest master are available.