

Getting Started

This section provides an overview of Application Loader, including system requirements, supported formats, and the steps you must take to install and start using Application Loader.

What is Application Loader?

Application Loader is a tool to help you prepare your applications for sale in the App Store. You can use Application Loader to create an Application Loader package containing the In-App Purchase metadata you want to add to your application and to upload your application binary files to the App Store.

Application Loader offers fast uploading, stable connections, and early validation warnings.

System and Network Requirements

Application Loader 3.1 requires a Mac, at least 512 MB RAM, and OS X v10.9 or later installed. Apple recommends at least 20 GB of available space and a broadband internet connection with an upload rate of 1MB/sec or faster.

Application Loader is integrated with the Xcode developer tools package. Therefore, you can also deliver binary files directly from Xcode. For more information on this delivery mechanism, review the Distributing Applications section in the *iOS Development Guide* located in the Apple Dev Center.

The following table lists details about the servers Application Loader uses to deliver packages and application binary files. For the best upload experience, verify that all of the ports and IP addresses are accessible.

Server	IP Address	TCP Port	UDP Port	Notes
itmsdav.apple.com	17.152.19.125	443	n/a	DAV only
contentdelivery.itunes.apple.com	17.152.19.127	443	n/a	HTTPS*
idmsa.apple.com	17.151.2.14	443	n/a	HTTPS*
vgr101.apple.com	17.152.249.51	33001	33001-33500	Aspera only
vgr102.apple.com	17.152.249.52	33001	33001-33500	Aspera only

Server	IP Address	TCP Port	UDP Port	Notes
vgr103.apple.com	17.152.249.53	33001	33001-33500	Aspera only
vgr104.apple.com	17.152.249.54	33001	33001-33500	Aspera only
vgr105.apple.com	17.152.249.55	33001	33001-33500	Aspera only
vgr106.apple.com	17.152.249.56	33001	33001-33500	Aspera only
vgr107.apple.com	17.152.249.57	33001	33001-33500	Aspera only
vgr108.apple.com	17.152.249.58	33001	33001-33500	Aspera only
vgr301.apple.com	17.172.190.141	33001	33001-33500	Aspera only
vgr302.apple.com	17.172.190.142	33001	33001-33500	Aspera only
vgr303.apple.com	17.172.190.143	33001	33001-33500	Aspera only
vgr304.apple.com	17.172.190.144	33001	33001-33500	Aspera only
vgr305.apple.com	17.172.190.145	33001	33001-33500	Aspera only
vgr306.apple.com	17.172.190.146	33001	33001-33500	Aspera only
vgr307.apple.com	17.172.190.147	33001	33001-33500	Aspera only
vgr308.apple.com	17.172.190.148	33001	33001-33500	Aspera only
sgr201.apple.com	17.152.249.101	44001	44001-44500	Signiant only
sgr202.apple.com	17.152.249.102	44001	44001-44500	Signiant only
sgr203.apple.com	17.152.249.103	44001	44001-44500	Signiant only
sgr204.apple.com	17.152.249.104	44001	44001-44500	Signiant only
sgr205.apple.com	17.152.249.105	44001	44001-44500	Signiant only
sgr206.apple.com	17.152.249.106	44001	44001-44500	Signiant only
sgr207.apple.com	17.152.249.107	44001	44001-44500	Signiant only
sgr208.apple.com	17.152.249.108	44001	44001-44500	Signiant only
sgr401.apple.com	17.172.190.101	44001	44001-44500	Signiant only
sgr402.apple.com	17.172.190.102	44001	44001-44500	Signiant only

Server	IP Address	TCP Port	UDP Port	Notes
sgr403.apple.com	17.172.190.103	44001	44001-44500	Signiant only
sgr404.apple.com	17.172.190.104	44001	44001-44500	Signiant only
sgr405.apple.com	17.172.190.105	44001	44001-44500	Signiant only
sgr406.apple.com	17.172.190.106	44001	44001-44500	Signiant only
sgr407.apple.com	17.172.190.107	44001	44001-44500	Signiant only
sgr408.apple.com	17.172.190.108	44001	44001-44500	Signiant only
vgr501.apple.com	17.110.248.141	33001	33001-33500	Aspera only
vgr502.apple.com	17.110.248.142	33001	33001-33500	Aspera only
vgr503.apple.com	17.110.248.143	33001	33001-33500	Aspera only
vgr504.apple.com	17.110.248.144	33001	33001-33500	Aspera only
vgr505.apple.com	17.110.248.145	33001	33001-33500	Aspera only
vgr506.apple.com	17.110.248.146	33001	33001-33500	Aspera only
vgr507.apple.com	17.110.248.147	33001	33001-33500	Aspera only
vgr508.apple.com	17.110.248.148	33001	33001-33500	Aspera only
sgr601.apple.com	17.110.248.101	44001	44001-44500	Signiant only
sgr602.apple.com	17.110.248.102	44001	44001-44500	Signiant only
sgr603.apple.com	17.110.248.103	44001	44001-44500	Signiant only
sgr604.apple.com	17.110.248.104	44001	44001-44500	Signiant only
sgr605.apple.com	17.110.248.105	44001	44001-44500	Signiant only
sgr606.apple.com	17.110.248.106	44001	44001-44500	Signiant only
sgr607.apple.com	17.110.248.107	44001	44001-44500	Signiant only
sgr608.apple.com	17.110.248.108	44001	44001-44500	Signiant only