Cisco Packet Tracer Mobile 1.0 for Android Release Notes

Last updated 6 August 2014

Purpose

Cisco® Packet Tracer Mobile 1.0 is the first release of the mobile app version of Packet Tracer for Android tablets. These notes provide detailed information about this release, including content, known issues, and support information.

Release Content

Component	Description
Packet Tracer Mobile 1.0 for Android	This simulation-based networking technology mobile app for Android tablets is compatible with Packet Tracer version 6.1, and can be used for all Packet Tracer activities in CCNA Routing and Switching 5.02 and CCNA Security 1.2 courses.
Help Files	HTML-based help files embedded in the application.
Tutorials	None, context based help is displayed onscreen.
Save Files	46 reference topologies included.

Product Overview

Component	Description
Hardware	- Supports multiple Android tablets with ARM CPUs running Android 4.1 or later. - Certain devices with customized Android operating systems do not work; e.g. HP Slate 21 (Android 4.2.2) and Asus Memo Pad ME172V. - x86 CPU tablets are not currently supported. - There is a performance difference when using Android 4.4 as compared to previous Android releases. Certain features perform faster while others perform slower due to the change in Android's WebView.
Software	The simulation engine is based on Packet Tracer 6.1.
Initial App Setup	The application requires Internet, Get Network State, Get Tasks, and Write to External Storage permissions.
Startup and User Authentication	- Users must be authenticated by logging into the Cisco Networking Academy® Cisco NetSpace™ application before the Packet Tracer Mobile app is activated. - Users must be authenticated after every installation, reinstallation, or clearing of application cache. Users may use the Canvas Login option any time after the initial prompt to be authenticated with Canvas to open files directly from Canvas.
Network Connectivity	An Internet connection is required when starting Packet Tracer (PT) Mobile for the first time after an installation, reinstallation or an application cache clear, so that the user can be authenticated. After the initial authentication, an Internet connection is NOT required.
App Startup	The application takes up to 20 seconds to start up, depending on the hardware specs. Startup goes through stages, starting with a splash screen for a few seconds, then white screen, followed briefly by a smaller splash screen, and finally the startup screen.

Component	Description
File Saves	• Saving any file opened from the Local repository, the Netspace™ learning environment, or Dropbox will result in Save As to another location. • Files may only be saved to the Saves repository or Dropbox. Saving to the Netspace learning environment is not allowed. • Files with scripts that are unsigned, or signed with a non-NetAcad™ certificate will be rejected and will not open in PT Mobile. • If the PT Mobile app is not running, opening a PKA/PKT file directly from the file system will launch PT Mobile with the file opened. If PT Mobile is already running in the background, the file will not be opened in order to preserve current work.
User Experience	• The command line has no blinking cursor or left/right navigation. The command output is always at the end of the command line. • Basic alphanumeric keys work on hardware keyboards with the CLI. Control keys do not work. • Switching devices in the action bar will only display devices within the same cluster. • In module view, devices that don't fit front and back on top of each other are displayed side by side; e.g. phones, TV. • The Workspace button displays the current cluster and allows returning to the current cluster.
Other Notes	• Activity Grader and PT Bridge are not supported. Files saved in PT Mobile can be opened from Packet Tracer 6.1 to use Activity Grader or PT Bridge on the desktop. • Workspace shapes cannot be created or deleted from PT Mobile. • Fast Forward button in real-time mode will result in fast forward time of 10 seconds. No feedback will be provided. • Users can filter PDU type by tapping the filter button on the Event list, which opens up the filter window. If you do not see certain PDUs, check the filters. • Files with scripts that are unsigned or signed with a non NetAcad certificate will be rejected and will not open in PT Mobile.

Differences from Packet Tracer Desktop Version

Item	Description
User Experience	• There are only a minimal number of preference options that are available. Most options are Android specific, but some correspond to the desktop preferences. • Use your finger to pan around the workspace. • Use fingers to pinch-to-zoom the workspace. • Use the action bar on top to navigate, and to switch between simulation and real-time mode • Not all activity interfaces are locked in PKA files due to differences in available interfaces and configuration options • The PT Mobile app icon is different from the icon for the desktop version of Packet Tracer.
Clusters	Clusters work differently from the desktop version of Packet Tracer. A parent cluster icon is used to navigate to the parent level. Creating a cluster requires using multi select to select a device first and then create a cluster from the selected devices. After multi selecting devices, tap on the workspace to bring up a contextual menu for creating clusters from the selected devices. You can also drag a device over a cluster cloud and add it into the cluster.
Other Notes	• Non-CLI devices are configured using Apps. • The Wireless Router uses desktop apps and is not configurable using the desktop browser. • The WAN cloud configuration works differently, with a different logical grouping of configurations. • The activity timer does not sync with the file's time setting (countdown timer, or regular timer).

| | • Activity scores are not automatically updated, they must be generated manually. |
| | • The Event list will only capture 1000 packets instead of 3000. Reset the simulation to continue capturing more. |

Features Unsupported in PT Mobile 1.0

Item	Unsupported Feature
1.	Activity authoring
2.	Multiuser
3.	Physical View
4.	Activity authoring
5.	Background images
6.	PKZ files
7.	Custom device icons
8.	PDU Scenarios are not supported, only a single default scenario
9.	Common cartridge is not supported.
10.	Printing
11.	Redo/undo
12.	Script authoring is unavailable. Files that have properly signed scripts will run, but no interface is available for authoring new scripts
13.	All extension controls are unavailable
14.	Power cycle of devices
15.	GUI configuration for CLI devices is not available. Use the CLI to configure such devices
16.	Not all desktop apps, or wireless router configurations are available. Only the commonly used ones are available
17.	Cannot re-cable a link
18.	Algorithm settings cannot be changed
19.	Constant delay feature is not available
20.	Layer 2 configurations on interfaces are not available
21.	Cannot create custom devices templates. However, files that use a custom device template will open correctly.
22.	Command line devices do not have a GUI configuration and therefore do not have the "Equivalent IOS Command" feature.
23.	Copy and Paste is not universally available. Due to a bug in Android, some versions of Android may crash Packet Tracer when copy or paste is performed.
24.	ACL filtering is not available in the PDU list
25.	Cannot fire PDU's that were previously created
26.	PDU list does not contain all columns found in the desktop version of Packet Tracer.
27.	No challenge mode in PDU view
28.	IP Phones, Analog Phones, Access Points and some other devices have no configurations

Known Issues and Workarounds

The following tables outline known issues and available workarounds when using Packet Tracer Mobile 1.1 for the Packet Tracer labs in the Cisco CCNA Routing and Switching 5.02 courses.

CCNA R&S: Introduction to Networks	
Total labs in course = 38	
Number of labs that can be completed successfully with PT Mobile 1.0 = 32	
Number of labs with issues when using PT Mobile 1.0 = 6	
Lab	**Known Issue and Workaround (if available)**
1.2.4.4 Packet Tracer - Representing the Network	Instructions are specific to the desktop version; e.g. mentions help menus, help videos and Physical Workspace
4.2.4.5 Packet Tracer - Connecting a Wired and Wireless LAN	Instructions are PT Desktop specific - Mentions mouse overs and Physical Workspace
10.2.3.2 Packet Tracer – FTP	Text Editor not implemented on this version
10.4.1.2 Packet Tracer Multiuser - Tutorial	Multiuser not supported
10.4.1.3 Packet Tracer Multiuser - Implement Services	Multiuser not supported
11.5.2.4 Packet Tracer - Configuring a Linksys Router	Configuring Linksys Router using PC browser is not supported. Cannot complete Linksys configuration by going directly to it because it is locked.

CCNA R&S: Routing and Switching Essentials	
Total labs in course = 56	
Number of labs that can be completed successfully with PT Mobile 1.0 = 54	
Number of labs with issues when using PT Mobile 1.0 = 2	
Lab	**Known Issue and Workaround (if available)**
11.2.4.4 Packet Tracer - Configuring Port Forwarding on a Linksys Router	Go directly to Linksys Router to configure Port Forwarding instead of using PC Web Browser.
3.1.2.7 Packet Tracer - Investigating a VLAN Implementation	Instructions mention adding scenarios when adding different packets. Switch between Simulation and Realtime instead to clear the packets.

CCNA R&S: Scaling Networks	
Total labs in course = 27	
Number of labs that can be completed successfully with PT Mobile 1.0 = 26	
Number of labs with issues when using PT Mobile 1.0 = 1	
Lab	**Known Issue and Workaround (if available)**
2.1.1.5 Packet Tracer - Examining a Redundant Design	Instructions mention adding scenarios when adding different packets. Switch between Simulation and Realtime instead to clear the packets.

CCNA R&S: Connecting Networks	
Total labs in course = 28	
Number of labs that can be completed successfully with PT Mobile 1.0 = 27	
Number of labs with issues when using PT Mobile 1.0 = 1	
Lab	**Known Issue and Workaround (if available)**
5.2.4.4 Packet Tracer - Configuring Port Forwarding on a Linksys Router	Go directly to Linksys Router to configure Port Forwarding instead of using PC Web Browser.

Support

For general assistance with curriculum, classroom, or program issues, please contact your Academy Support Center (ASC).

To report bugs and errors pertaining to Packet Tracer Mobile, please contact the Networking Academy™ Global Support Desk. To access the Support Desk, log in to Cisco NetSpace and click **Help** at the top of the page, then select **Global Support Desk**.