

Tech Note: User Rights in iPassConnect 3.30

Version: 1.2, September 2004

This tech note addresses the issue of restricted user rights in iPassConnect 3.x, and how iPassConnect 3.30 resolves the restriction on user rights.

User Rights in iPassConnect Versions Before 3.30

For versions 3.0 through 3.26, iPassConnect is intended to be installed, operated and updated by a user with Administrator access only. A user of one of these versions must have full administrator rights to make use of the complete functionality of iPassConnect.

Users without full Administrator rights, such as Power Users or Standard Users, may see limitations on the functionality of iPassConnect versions 3.0 through 3.26 in many areas. These limitations may include:

- Inability to launch or install iPassConnect.
- iPassConnect may not auto-detect Wi-Fi hotspots, and may not can it correctly start and stop the Windows Wireless Zero Configuration (WZC) utility, impeding Wi-Fi connections.
- Phonebook and software updates may fail.
- 3rd-party integrated applications, such as VPN, personal firewall and anti-virus, may not function correctly. iPassConnect auto-teardown may also not function correctly.

User Rights in iPassConnect 3.30 and Later

To address the issue of restricted user privileges, the iPassConnect 3.3x engine is launched upon demand as a manual service, giving it System privileges to write files and access to the Registry. The iPassConnect client runs in the context of the logged-on user. In addition, iPassConnect 3.3x adds a small automatic Windows service called iPCAgent, which launches those modules that affect a Phonebook or software update for any user.

Users with privileges lower than Admin level will not need elevated rights, because in effect, the iPassConnect engine will already possess them. Restricted users will have access to the full functionality of iPassConnect, including launching, connectivity, and third-party integration.

Installation and Upgrades

iPassConnect 3.30 must still be installed (and uninstalled) by an Administrator. Upgrades to 3.30 from previous versions must also be performed by an Administrator.

However, iPassConnect 3.30 can be run normally by a restricted user. Restricted users will also be able to update Phonebooks, and upgrade from iPassConnect 3.30 to later versions (when they become available) without Administrator rights or intervention.

When performing software and Phonebook updates, iPassConnect will stop, update, and then re-start the iPCAgent, if required.

Third-Party Applications

The iPassConnect 3.3x engine will correctly launch iPassConnect connect actions that require administrator rights. Third-party integrated applications that require admin permissions will run normally when integrated with iPassConnect 3.3x.

Third-party applications can be configured to run under the logged-in user context, or under system context, depending on the application.

Summary

This table summarizes the differences between users of iPassConnect versions prior to 3.30 with restricted privileges and admin privileges, and all users of iPassConnect 3.30.

Capability	Restricted User	Power User	Admin User	Admin User, Power User, Restricted User
Version	3.0 through 3.26	3.0 through 3.26	3.0 through 3.26	3.30 or later
Install iPassConnect	No	No	Yes	Admin User Only
Uninstall iPassConnect	No	No	Yes	Admin User Only
Launch iPassConnect	Yes	Yes	Yes	Yes
Auto-detect Wi-Fi hotspots	No	Yes	Yes	Yes
Switch on/off Windows WZC	No	No	Yes	Yes
Update Phonebook	No	Yes	Yes	Yes
Update iPassConnect	No	No	Yes	Yes
Launch VPN, firewall or anti-virus application	Yes	Yes	Yes	Yes

About iPass

iPass Inc. delivers enterprises simple, secure and manageable connectivity services for mobile workers as they move between office, home, and remote locations. iPass combines its global network of dial-up, Ethernet and the world's largest Wi-Fi footprint with support for campus wireless LANs and home broadband connections to deliver a unified and comprehensive solution. The award-winning iPassConnect™ user interface, centralized management, leading security features and powerful policy enforcement have made iPass services the choice of hundreds of Global 2000 corporations including General Motors, Dow Corning and Underwriters Laboratories. Founded in 1996, iPass is headquartered in Redwood Shores, California, with offices throughout North America, Europe and Asia Pacific

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