

Scalix Release Notes 12.6.0

Release Date: December 01, 2016

Introduction

Thank you for downloading Scalix 12.6.0

Scalix 12.6.0 is the latest upgrade of Scalix 12, providing important fixes and exciting new features. We recommend that you upgrade all systems running Scalix to this latest version.

This document includes late-breaking information about product capabilities, fixed bugs, known issues and workarounds, so please read it thoroughly before beginning your installation or upgrade.

To Download Scalix 12.6 please visit,

<http://www.scalix.com>

For full documentation on how to install, configure and administer Scalix, see the customer documentation at <http://www.scalix.com/support-resources-documentation>.

In addition, after installing the Scalix Mail Server and other applications, you can access the following online help systems, which are embedded in the product:

Scalix Web Access Online Help

Scalix Management Console Online Help

Scalix Connect for Microsoft Outlook Online Help

You also can learn more about any of the known issues listed here - or report others - by going to the Scalix bug tracking system at <https://rm.scalix.com/>.

Scalix, Inc. is committed to your success with our software. For additional information beyond what is provided here and in the official product documentation, visit Scalix forums at <http://www.scalix.com/forums>

Customers, who have purchased support from Scalix may also contact Scalix technical support to request help, ask questions about how to use a particular feature, provide feedback, or report bugs by visiting <http://www.scalix.com/en/support-opensupportticket>.

Acknowledgements

Starting with version 11.3 Scalix Connect for Outlook includes software developed by the OpenSSL project for use in the OpenSSL toolkit. (<http://www.openssl.org>). It also includes cryptographic software written by Eric Young (ey@cryptsoft.com) and software written by Tim Hudson (tjh@cryptsoft.com). Scalix would like to thank these individuals and the OpenSSL community for their valuable contributions.

Starting with version 11.3 Scalix Server includes software based on the Universal Character Set Detector from the Mozilla project (<http://www.mozilla.org>), written by Simon Montagu (smontagu@smontagu.org), Shy Shalom (shooshX@gmail.com), Shoshannah Forbes and others. Scalix would like to thank these individuals and the Mozilla community for their valuable contributions.

Disclaimer:

1. The test appliance should not be used in production for this reasons (would need to reconfigure Scalix with different domain/password) before you can start the download.
2. Scalix Connect need to be installed with proper Admin-rights on your Computer
3. System needs to be backed up before upgrade.

Java Environment

Be aware that some middleware components of Scalix require JRE. We support JRE ≥ 1.6 and ≤ 1.8 , vendors: Oracle, IBM, opensource (openjdk in particular)

Please note that :

- We do not recommend using openjdk on production systems because it can cause slowdowns, higher CPU/Memory usage and can cause instability and unexpected errors. While you can install Scalix 12.6 with the openjdk we suggest that you use the openjdk with systems that are non-production, testing system or low load servers.
- For IBM platforms you would need to install the IBM JRE package manually.

Scalix Binaries

All the Scalix server binaries are compiled as 32-bit only for the moment.

Scalix can be installed on 64-bit Intel or IBM computers, and in 64-bit Linux environments as a 32-bit application. You will need to make sure, proper 32 bit compatible libraries are installed.

Installation Issues

- The following procedure/adjustments are mandatory if you installed CentOS6 (64bit) or ORACLE Linux 6 (x86/x64)
 - If port 80 is not set to allow connections (open) in ip tables, Tomcat will not work at all - scalix-tomcat service will run, but in the tomcat log there will be a big backtrace
 - Open port 80 in iptables
 - restart the iptables service
 - restart the scalix-tomcat service
 - restart the httpd service
 - After this it should be working correctly
 - Secondly initialization of all web applications in Tomcat can take over 20 sec - Tomcat will work only after initialization of its webapps. If you make changes to Tomcat such as the above, please also restart apache (service httpd restart).
- On Debian sometime installation fails due to a pre-existing error in the sendmail.cf file with the MAILER lines in the wrong place. To fix this manually move the bad MAILER lines to the end of the file and try again.
- On IBM hardware platforms the installer does not install the jre package automatically. You would need to install JRE package manually. It is recommended to use IBM JRE.
- To improve SWA performance you must follow description from official Apache website and make changes accordingly depending on your environment and jre that you are using.
- While installing on a non ext4 filesystem, you might be presented with error

“Error in `omnewul': double free or corruption (top): 0xxxxxxx”

To avoid this, it is recommended to use ext4 filesystem

Important end of Life Notices.

- JRE 1.5 is no longer supported.
- Upgrading from Scalix 11.3 or earlier is not supported .

Upgrade Notices

Please read the following notes very carefully, as some specific actions might be required as you upgrade from earlier versions of Scalix.

Upgrading from a previous version

If you are upgrading from a previous version of Scalix, there are several changes of which you should be aware:

When running Scalix in a mixed-version multi-server setup, where your front end servers are running SWA 12.6, the back end servers have to be upgraded to at minimum version 12.6 as well.

- Before beginning any upgrades, check your license key. If you are upgrading to or from a Small Business Edition (SBE), Enterprise Edition (EE) or Hosting Edition (HE) installation, you need to have a valid and current license key with a "Last Valid Issue Date" (LVID) on or after July 01, 2016 (2016-07-01) to use Scalix 12.6. If you continue installation after the respective warning and the license is not valid, your installation will downgrade to the Community Edition. To check the LVID of your license, use the Scalix Management Console or the `sxlicense` command. To extend your upgrade subscription or to get a new license key, please [contact Scalix Sales](#).
- When upgrading from previous installation of Scalix to 12.6, it is recommended that you empty your IMAP caches and indexes by running the following command on your backend server.
Please note that this command may only be run when nobody is signed on to the system (when the rci and IMAP services are off):

```
cd $(omrealpath "~/"); find user* -name imap-cache -exec rm -rf {} \;
```

- While moving Scalix across different OS, it is mandatory to recreate the postgres database.

Remove `/var/opt/scalix/??/postgres/data`, and

run 12.6 installer to reconfigure the "Scalix DB",

Features

- **Scalix Web Access (SWA) Unleashed**
-

SWA offers the following features in Scalix 12.6.0:

- Internet Explorer Support - SWA in Scalix 12.6 has been enhanced to work with IE 11.

- Edge Support- SWA in Scalix 12.6 has been enhanced to support Microsoft Edge.
- Firefox Support - SWA in Scalix 12.6 has been enhanced to work with Mozilla's latest browsers. Firefox 46 support has been added.
- Chrome - SWA in Scalix 12.6 has been enhanced to support Chrome.
- Safari - Scalix 12.6 SWA now supports Safari.
- Overlay Calendars - Allows the user to see multiple calendars at the same time in day, week and month views. This makes it much easier to organize events and appointments in multiple personal calendars. It also allows the user to combine personal, public and other people's calendars in a single view for easier planning and scheduling.
- Calendar Planning Method - Allows the user to see multiple calendars in a planning sheet view at the same time at various scales, e.g. day, week, and month. This allows for easy planning in teams, managing holiday calendars or doing team resource allocation.
- Conversation view – Scalix 12.6 webmail now supports arranging emails in conversation view.
- Performance - Better usability through improved load times and multiple performance optimizations
- Faster Search –With Upgraded Lucene version, SWA now provides faster search operations.
- Theming - The look and feel - colors, logos and fonts - of SWA can now be customized to better match corporate identity or to blend in Scalix Web Access with overall portal design in hosted architecture. In addition, Scalix now comes with a new default theme, providing for a fresh look.
- Theming and Localization Kits- Allows customers and Scalix partners to provide support for other languages, customized look and feel through themes and package these up to be shared and deployed in a clean and modular way.
- Smarthost SMTP-Authentication support - SWA in Scalix 12.6 has been enhanced to support smarthost SMTP-Authentication.

➤ **Scalix Connect for Outlook**

- **Outlook 2007/2010/2013/2016 (32bit) Support on Windows 7/8/10 (32bit and 64bit)**
- **Outlook 2007/2010/2013/2016 Support on Windows Terminal server 2008 and 2012 R1/R2 (32bit and 64bit)**
- **64 bit Outlook connector support with Outlook 2007/2010/2013/2016 (32bit) on Windows 7/8 (64bit)**
- **Updated SmartCache**

➤ **Scalix AntiSpam and ZeroHour AntiVirus**

These add-on product modules for Scalix Enterprise Edition and Scalix Small Business Edition provide for world-class Junkmail and Malware protection powered by Cyren's patented RPD technology.

- **Easy to Setup** - Software to use the subscription-based service is included in every version of Scalix and can be enabled with a license key
- **Easy to Administer** - The technology uses the Cyren's Detection Center online. Up to 97% of all incoming spam is detected and blocked without any filter training or configuration.
- **Flexible Deployment** - The Spam filter can be implemented right on the Scalix server and - in Scalix Enterprise Edition - on a dedicated gateway machine
- **Uses Cyren anti-spam engine 8.0 (optional license)**

➤ **Scalix ActiveSync**

Connect ActiveSync enabled wireless devices directly to the Scalix server without additional software needed on the device and use them for push Email and wireless calendar and contact synchronization.

- **Wireless Clients of Choice** - ActiveSync support is available on almost any Windows Mobile, Android as well as Apple iOS and compatible devices
- **Flexible Deployment** - The wireless service can be implemented right on the Scalix server or on a separate SWA or dedicated wireless gateway server.
- **Based on Microsoft Technology** - The Scalix ActiveSync wireless solution is based on technology licensed from Microsoft, ensuring best compatibility and investment protection for future versions.

➤ **Scalix Proxy Folders for Feeds**

Scalix Proxy Folders offer functionality where it is possible to setup server-side subscriptions to in-house and external data feeds.

- **WebCal and RSS/Atom** - Subscribe to newsfeeds and publicly available calendar data such as national holidays, industry events listings or sports schedules.
- **Public or Private folders** - Feeds can be mapped to a personal folder in a user's mailbox, then taken offline or re-shared with other users. They can also be applied to a public folder for company wide available information.

- Available in all Clients - While feeds currently need to be setup by an administrator, they can be seen in all clients once established. The server will manage the feed, providing user access through Outlook, SWA, IMAP, CalDAV and more.

➤ **Major hosting enhancements to support per-mailnode configurations and other features:**

- Add server support for per-mailnode configuration (see omaddmn/ommodmn/omshomn man pages).
- Add server support for per-mailnode user quota/sanction in omlimit (see omlimit man page).
- Add server support for hosting tenants spanning multiple server (see sxhostadd/sxhostdel man pages).
- Enhance sxhostcfg and sxdu to support new functionalities (see sxhostcfg and sxdu man pages).

➤ **Hardware Support extended for IBM Power and Mainframe.**

The core server software for Sclix12 .6 release has been updated to install and run on the latest popular OS platforms, in particular the hardware support has been extended to include IBM PowerPC and Z-series (see detailed list).

➤ **Improved Performance and Scalability.**

The performance and scalability has been improved in Scalix 12.6 with enhancements to support faster 'bulk' operations for user add/delete/modify (see man pages). A number of bugs and features have also been addressed to improve the customer experience.

Supported Platforms

We are glad to announce – scalix 12.6 is the first official and fully supported version for IBM Power & IBM Mainframe!

Distribution	Version	Architecture	Status	Notes
Red Hat Enterprise Server	>= 6.8	i386	fully supported	
		x86_64		
	>= 6.6	s390x		Cyren is not supported
	>= 6.6	ppc64		
	>= 7.2	x86_64		
CentOS, Oracle Linux	>= 6.8	i386		
		x86_64		
	>= 7.2	x86_64		
SUSE Linux Enterprise Server	11sp4	i386		
		x86_64		Please update your repositories, because some libraries were included by vendor in July 2016
	11sp4	ppc64	Cyren is not supported. Please update your repositories, because some libraries were included by vendor in July 2016	
	11sp4	s390x		
	12sp1	x86_64		
OpenSUSE	13.2	i386	experimental support	Not recommended for production use
		x86_64		
Debian	>= 7.8	i386		Installer can be found at https://github.com/scalix/Debian-installer
		x86_64		
Ubuntu	14.04	i386		Installer can be found at https://github.com/scalix/Debian-installer
		x86_64		

Note : Support for Centos7 on IBM platform is presently not available for following reasons:

- They are way behind RHEL7 schedule .
- They support Little Endian (LE) only .
- They have dropped some 32bit packages .

➤ General Server Features/Support

Lucene 4.7.2 support

Postgresql 9.4 support

Tomcat version 7 support

System Requirements:

Please see the Scalix Installation guide for current minimum system requirements.

Alert

Note that the choice of storage environments will have a major influence on performance of your Scalix system. Scalix as an application is largely I/O-bound, using variable, small-blocksize random read/write synchronous file I/O.

Also note that Scalix **does not support** putting a Scalix Message Store on a NFS- or SMB-based storage device such as a NAS Filer. **Performance issues and/or Message Store corruption can occur.** This is true for all Linux distributions using Linux 2.6.x kernels as the NFS client software in these kernels have known issues with file locking operations, which Scalix heavily relies on.

We suggest putting the Scalix message store on a Hardware RAID Array, using RAID 1+0 for best performance. The use of RAID 5 or RAID 6 will result in substantially worse performance due to the nature of Scalix Disk I/O patterns (small, synchronous random writes) and is not recommended. In larger installations, we do recommend using iSCSI- or FibreChannel-based SAN storage. We also recommend the use of battery-backed write cache on the RAID controller where available

Packaging

The Scalix 12.6 Release consists of a self-extracting shell archives for Linux and a separate ZIP file download for the Windows components.

The Components in the package and their respective version numbers are as follows:

Component	Package	Build
Scalix Installer	Linux .bin	12.6
Scalix Server	Linux .bin	12.6.0.14880

Scalix Character Set Detectors	Linux .bin	1.0.20071031-2
Scalix Libical	Linux .bin	0.44.976-2
Scalix iconv Extras	Linux .bin	1.2-7
Scalix Management Services (SAC, RES)	Linux .bin	12.6.0.14723-1
Scalix Messaging Services ("Platform")	Linux .bin	12.6.0.15473-1
Scalix Web Access (SWA)	Linux .bin	12.6.0.16562
Scalix Search and Indexing Services (SIS)	Linux .bin	12.6.0-16042-1
Scalix Text Extractors for Indexing and Search *	Linux .bin	1.0-3
Scalix DB (Postgres)	Linux .bin	12.6.0-15963
Scalix Tomcat Connector	Linux .bin	12.6.0-14721
Scalix Tomcat	Linux .bin	7.0.69-41
Scalix Connect for Evolution**	Linux .bin	11.4.6.123
Scalix Connect for Outlook	Windows .zip	12.6
Scalix Migration Tool (SMT) ***	Windows .zip	11.4.2.598
Scalix Active Directory Extensions (ADE) ****	Windows .zip	11.4.2.753

* Text extractors allow the indexing of binary Microsoft Office (Word, Excel and PowerPoint) and PDF documents. They are only available as part of Scalix Small Business Edition (SBE) or Enterprise Edition (EE)

** For Scalix Community Edition downloads, Scalix Connect for Outlook (MAPI) is a separate ZIP-file download.

*** The Scalix Migration Tool is a separately-sold product to migrate eMail, Calendar, Contacts and other objects from Exchange 5.5, 2000, 2003 to Scalix. Please contact [Scalix Sales](#) for details.

**** The Scalix Active Directory Extensions are only available as part of Scalix Small Business Edition (SBE) or Enterprise Edition (EE)

Changes/Fixes

Scalix 12.6 addresses a number of issues with the previous versions and comes with more than 100's of bug fixes and various major changes and enhancements added.

For the complete list of Fixes/Changes of Scalix 12.6, please check the Scalix 12.6 changelog file at, <http://www.scalix.com/support-resources-documentation>