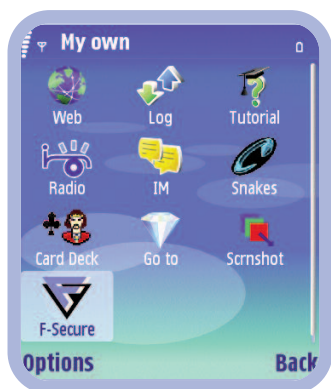


# F-Secure Protects S60 3rd Edition Devices Against Malware



F-Secure Mobile Security is the first security software to protect S60 3rd Edition devices against viruses, and to include a firewall as well.

Malware writers have set their sights on a new target — the smartphone. Standing between that malware and the smartphone, however, is a powerful counterforce, F-Secure Corporation. The well-known security company's new product, F-Secure Mobile Security for S60 3rd Edition, adds firewall protection to its previous product, F-Secure Mobile Anti-Virus, the first piece of anti-virus software written for S60 3rd Edition devices. It automatically scans all files on the device when they are read, downloaded, synchronized, or modified in any way. Infected files are quarantined, so the device stays clean. Virus definition updates are automatically retrieved over the air (OTA) in the background, so that a phone is always protected against the latest threats. The software also includes a firewall, to protect phones during Web browsing or whenever an Internet connection is made.

F-Secure is no latecomer to the security field; the Helsinki-based company was founded in 1988, and its line of security products protects PCs, gateways, and servers as well as mobile phones. The company's security lineup includes anti-virus and desktop firewalls with intrusion prevention, anti-spam and anti-spyware solutions, and network control solutions for Internet service providers (ISPs), businesses and consumers. In 2005, it recorded sales of 61.8 million euros (\$79.3 million USD).

*"It's a game of cat and mouse with malware writers. We will make sure that anyone with an S60 device gets all the protection they need."*

## Protecting S60 devices, winning awards

F-Secure is beginning to see similar success with its mobile anti-virus product. The company has deals with eight operators to sell F-Secure Mobile Anti-Virus, and is talking with other major operators in Asia, Europe, and the U.S. It also has signed deals directly with enterprises.

The software has been recognized as the gold standard of mobile security products. The German magazine c't ([www.heise.de/ct/](http://www.heise.de/ct/)) published the results of tests of mobile data security products performed by AV-Test.org, an independent company specializing in testing anti-virus and security products — and F-Secure Mobile Anti-Virus was the clear winner. It was the only piece of software that detected every virus sample thrown at it. "It's a game of cat and mouse with malware writers," says Miska Hakala, global account manager for F-Secure. "We will make sure that anyone with an S60 device gets all the protection they need."



F-Secure  
HQ: Helsinki  
[www.f-secure.com](http://www.f-secure.com)



"We're appreciative that Nokia has made the S60 3rd Edition a true software platform. We can develop for that single platform, and the software will work for all different S60 3rd Edition devices," says Miska Hakala, global account manager for F-Secure.

## Looking Ahead:

As intelligent mobile devices such as S60 devices become more popular, virus writers and hackers target them with increasingly sophisticated attacks. "It's a snowball effect," Hakala says. "The malware writers focus their efforts on the most popular platforms."

F-Secure expects that the types of threats will proliferate, and will soon include spyware and spam. Toward that end, F-Secure will add anti-spyware and other features to its mobile anti-virus software, in the same way it added a firewall to its Mobile Security product launched in November 2006.

## Forum Nokia Pro Success Story

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The first mobile virus was uncovered in the wild in 2004, and the total number of different mobile viruses discovered that year was 26. That number had increased more than tenfold by 2006, with more than 300 known mobile viruses, with no end to their growth in sight.

### S60 3rd Edition

F-Secure Mobile Security is the first product that offers a complete mobile security solution with a firewall for S60 3rd Edition devices. "Developing for the S60 3rd Edition was as challenging as developing software for a full-blown computer, because in essence, it is one," says Hakala. He adds that his company has already seen the benefits of developing for the platform.

"We're appreciative that Nokia has made the S60 3rd Edition a true software platform. We can develop for that single platform, and the software will work for all different S60 3rd Edition devices," Hakala says. "It's very good that there is this common code. From a software vendor's point of view, it makes development much easier. We don't have to write different versions of the software for multiple versions of the device."

*"An anti-virus application operates at a very deep level in the device, and Forum Nokia PRO helped us at that level every step of the way."*

### Marketing to operators, ISPs, and enterprises

F-Secure sells the application through a variety of channels. F-Secure Mobile Security is primarily sold as a service, rather than an application, with monthly fees charged for its use. It is chiefly sold through mobile operators and ISPs, as well as to large corporations and government agencies.

As S60 devices extend corporate networks to traveling employees, security software needs to be extended as well. At the enterprise level, F-Secure pitches the product as one component of a larger security service that encompasses all of a corporation's devices, including PCs, laptops, servers, and mobile devices.

### How Forum Nokia PRO helps F-Secure

"Forum Nokia PRO has helped foster a uniquely close working relationship between Nokia and F-Secure, and this has paid off in multiple ways," says Hakala.

"Writing F-Secure Mobile Anti-Virus was a big task to take on, because the S60 includes a totally new security architecture, and we have to be able to monitor what is going on." Hakala says. "An anti-virus application operates at a very deep level in the device, and Forum Nokia PRO helped us at that level every step of the way. We developed our software at the same time that the platform was being developed, so we were able to do our development in parallel with Nokia. It enabled us to get access to technical information, such as specific APIs that we needed. We also used our Forum Nokia PRO team to send feedback about the devices."

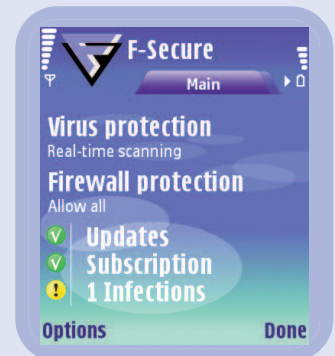
Forum Nokia PRO provided S60 devices to F-Secure for development and testing work before the public launch of the platform, which helped enormously. In addition, Hakala cites the ability to get technical support from Forum Nokia PRO straight from the Web as a big time-saver.

Forum Nokia PRO help went beyond technical aid, and extended to business and marketing assistance as well. Hakala says that Nokia introduced F-Secure to large operators. In addition, F-Secure Mobile Anti-Virus has been listed in a variety of Nokia catalogs, including the spring 2006 PRO catalog and the spring 2005 enterprise catalog. This gave the application high visibility among operators. In addition, F-Secure has participated in many Nokia events, including the S60 Summit and Nokia World.

F-Secure is also a Forum Nokia PRO Enterprise Zone member. "This has helped us in developing our sales to enterprise customers through programs like our joint offering with ESeries devices," says Hakala.

For more information, go to:

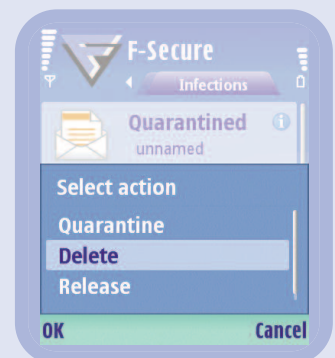
[www.nokia.com/developer](http://www.nokia.com/developer)



The application's status screen reports whether a subscription to the service is up-to-date, states whether the latest program updates have been downloaded and installed, and lists the number of infections found on the device.



It guards against malware coming from any access point to the device.



Infected files and applications are quarantined, and the user is given options for handling the files.



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