



FileEngine Technology Backgrounder
What's Different with FileEngine?
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FileEngine delivers unmatched value to businesses who simply want to store, share and protect information. FileEngine extends the Novell SUSE Linux Enterprise Server platform with features unavailable in any other server at any price – let alone for *as little as \$8/day*.

Three FileEngine models are available:

- **FE1025:** 25 GB User Storage (RAID 1), Dual-Layer DVD backup offers approximately 12 GB (compressed) backup capacity, UPS, 100 DVD-DL media. *About \$8/day.*
- **FE1100:** 100 GB User Storage (RAID 1), DLT V4 tape drive 160 GB native (320 GB compressed) backup capacity, UPS, DVD+RW drive, 10 DLT Tapes + Cleaning tape. *About \$10/day.*
- **FE5200:** 200 GB User Storage (RAID 5), DLT V4 tape drive, 160 GB native (320 GB compressed) backup capacity, UPS, DVD+RW drive, 10 DLT Tapes + Cleaning tape. *About \$12/day.*

Every FileEngine includes:

- Configuration, shipping & standard installation.
- Daily archives to preserve nightly 'snapshots' of every file in a dedicated Self Serve Restore partition for up to two weeks.
- A dedicated Restore partition sized to accommodate the entire backup dataset size – this eliminates the risk of over-writing live data during backup recovery.
- A dedicated Take-Out partition simplifies moving data to CD, DVD or DVD-DL media.
- Server based 'Recycle Bin' deleted file protection (up to 50% of User Storage capacity)
- Support for Windows NT-Domain logins, drive mappings, automated creation of login-scripts; supports creation of Users, Groups and File Storage Areas that manage Read-Only, Read-Write or denial of access to files.
- Windows and Mac OS X compatibility
- Compatible with existing Microsoft Windows Active Directory managed networks
- Print server functionality
- Server support; including OS updates
- Disaster recovery & full replacement warranty including restoration of data from backup
- Secure remote administration – connections are established *from the inside out* so no configuration of networking hardware is typically required.
- WatchBot monitoring of backups, hard drive space, UPS protection
- Automatic PDF conversation (implemented as a Postscript printer driver)
- Windows Win32 Administration tools
 - FileEngine User/Group/File Storage Area management
 - FileEngine DVD-DL Backup recovery utility for Windows PCs
 - FileEngine Connection Wizard for automated Windows profile migrations
- Optional: Integrated/secure off-site storage that supports multiple generations

FileEngine is remarkable for the valuable features it delivers. But it is notorious for the *features it omits*:

E-Mail & other collaboration services	Hosted solutions are better for small businesses. Prices typically range from \$6-\$12/mailbox per month for hosted Microsoft Exchange solutions including support, Outlook 2003 client software, Outlook Web Access, Virus/Spam filtering, and backup.
Internet Filtering	Inexpensive proxy filters are more secure.
VPN services	Inexpensive VPN appliances provide a variety of secure VPN termination types that cost less and are inherently more secure.
Web hosting	Thousands of low cost/dedicated web hosting providers have commoditized web hosting services.
FTP services	Web hosting providers typically make this service available for a small additional charge. Inexpensive 'Internet file courier' services are available too.
Internet Gateway	Inexpensive and reliable SOHO routers do this well.
Intrusion Detection	Small business customers usually don't have publicly accessible services hosted on their LAN. If you don't host services you don't need intrusion detection.
Firewall	Commodity SOHO routers perform the same role less expensively and more effectively.
Wireless Access	Inexpensive wireless access points can be deployed where needed – which is typically not near the server.

FileEngine also eliminates:

- Keyboard, monitor and mouse (increasing security)
- Per user client access licenses

We think omitting features that are otherwise available by using inexpensive appliances benefit our customers. In particular, appliances are maintenance free, provide better security and typically have no licensing fees.

Utilizing hosted services for e-mail, collaboration and web is a great way to eliminate budget surprises. These services are complex and frequently require the attention of experts. A failure can lead to a major business interruption and involve significant unbudgeted expenses. In addition, a business needs to account for the increased cost of bandwidth, backup and installation and maintenance of more expensive security systems, etc.

As this list of potential server features shows, a 'server' has come to mean many things to many people. FileEngine may not do *everything*, but it does the *important* things very well: Store, Share & Protect critical business information.