The Dangers of Consumer Grade File Sharing in a Compliance Driven World

ownCloud

Enterprise data access is spiraling out of control

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Many employees use cloud-based services to share sensitive company data with each other, vendors, customers and partners. They sync data to their personal devices and home computers, all in an effort to do their jobs quickly and efficiently – all without IT's oversight. Consumer cloud-based file sharing services store sensitive company data on external servers outside of IT's control, in violation of corporate policies and regulatory requirements – maybe even outside the country – and not managed by IT. The risks of data leakage, security vulnerabilities, compliance violations and business damage are enormous.
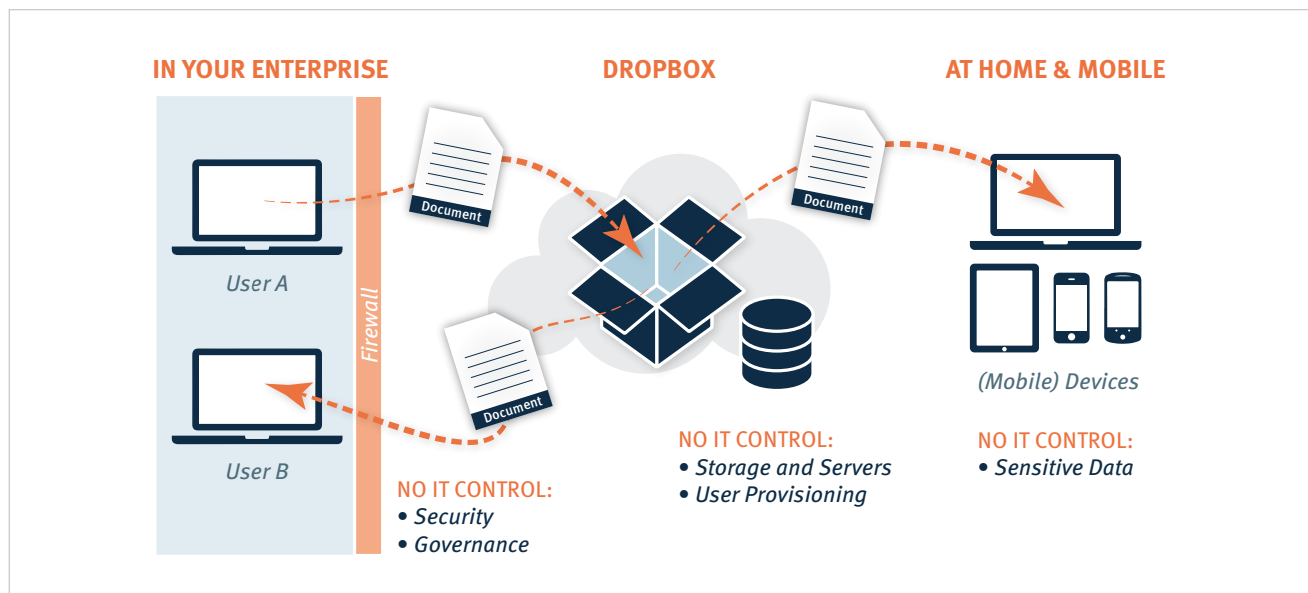
The Dropbox Problem in Action

IN YOUR ENTERPRISE

User A

User B

Firewall

NO IT CONTROL:
• *Security*
• *Governance*

DROPBOX

NO IT CONTROL:
• *Storage and Servers*
• *User Provisioning*

AT HOME & MOBILE

(Mobile) Devices

NO IT CONTROL:
• *Sensitive Data*

Document

Document

Document

Figure 1: How sensitive data is shared beyond the firewall and IT control

Time to regain control

ownCloud allows IT to regain control of sensitive data with managed file sync and share:

- **Manage and Protect** data on-site – using any available storage, with the complete software stack running on servers safely inside the data center, controlled by trusted administrators, managed to established policies. And ownCloud's virtual appliance footprint is easy to install and configure.

- **Integrate** with existing IT systems and policies – security systems, user directories, governance workflows, intrusion detection, monitoring, logging and storage management.

- **Extend** functionality easily through a comprehensive set of APIs to customize system capabilities, meet unique service requirements, and accommodate changing technology needs.

AND STILL provide end users clean, intuitive access to the documents they need to get the job done using desktop systems, laptops, tablets and smart phones.

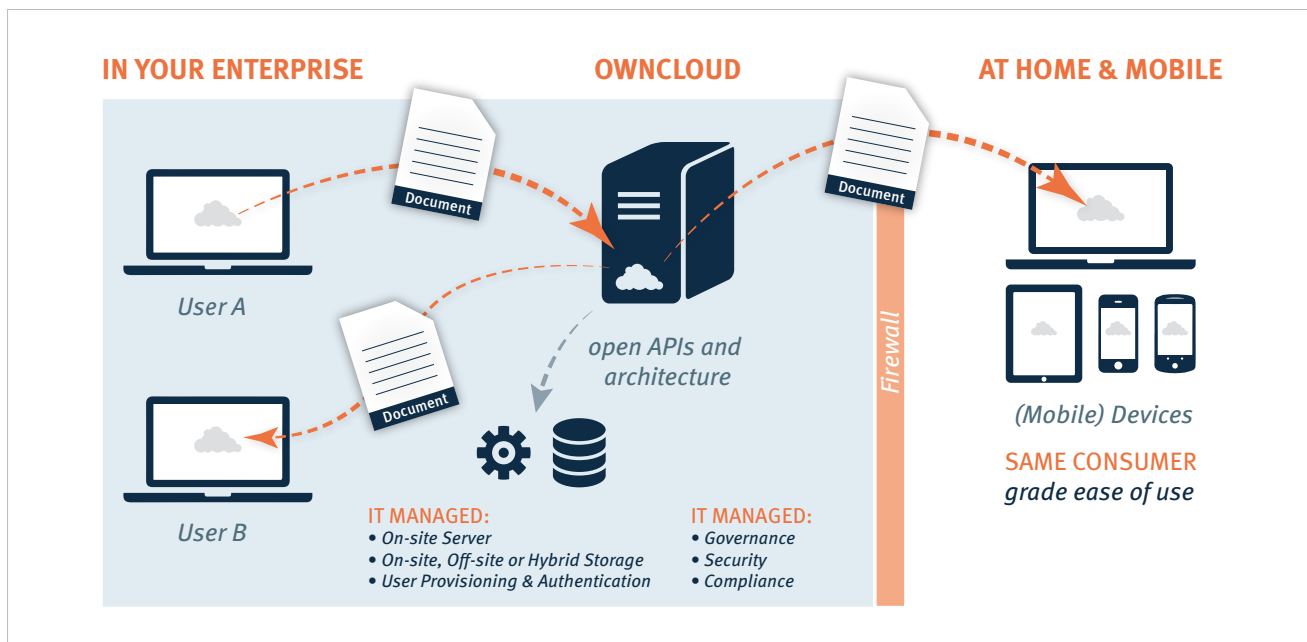YOUR CLOUD, YOUR DATA, **YOUR WAY!**

ownCloud in Action

Figure 2: ownCloud provides managed file sync and share AND STILL consumer-grade usability

Introducing ownCloud

Only ownCloud combines the flexibility, openness and speed of innovation with on premise storage – putting file sync and share control back into the hands of IT:

- Companies host ownCloud in their own data centers (or a third-party data centers they choose) on physical, virtual or private cloud servers.

- IT controls and manages ownCloud. Administrators define security policies, provision users and groups, monitor logs and system health, and meter usage and quotas, all from ownCloud's command center.

- ownCloud integrates easily with enterprise user directories, governance workflows, security systems and monitoring tools. And ownCloud supports many popular storage footprints, so data back-ups are a breeze.

- Built-in wizards allow IT to integrate ownCloud with LDAP, Active Directory and any authentication service that supports SAML. As users are managed via those services, ownCloud automatically acquires and implements the associated authentication.

- User or file-level permissions can be defined when and where files are shared, and expiration dates and restrictions can be set at multiple levels. Additionally, administrators can create rules that control access to ownCloud servers based on user connections, time intervals, geographic locations and other useful criteria.

- ownCloud's Open Source community contributes a wide variety of plug-in components; many which are hardened to enterprise standards.

This vibrant vendor ecosystem offers ownCloud users many options for value-added product capabilities.

The right end-user experience makes all the difference

- Access to ownCloud-managed content is provided via a web browser, desktop syncing apps for Windows, Mac OS X and Linux, and mobile apps for Android and iOS mobile devices.

- ownCloud even supports WebDAV access for other standards-based tools.

YOUR CLOUD, YOUR DATA, **YOUR WAY!**

ownCloud is more than just a basic app and third-party storage. ownCloud puts IT back in control with out-of-the-box integration into existing environments, the flexibility to expand to meet unique requirements, and usability that end users demand.
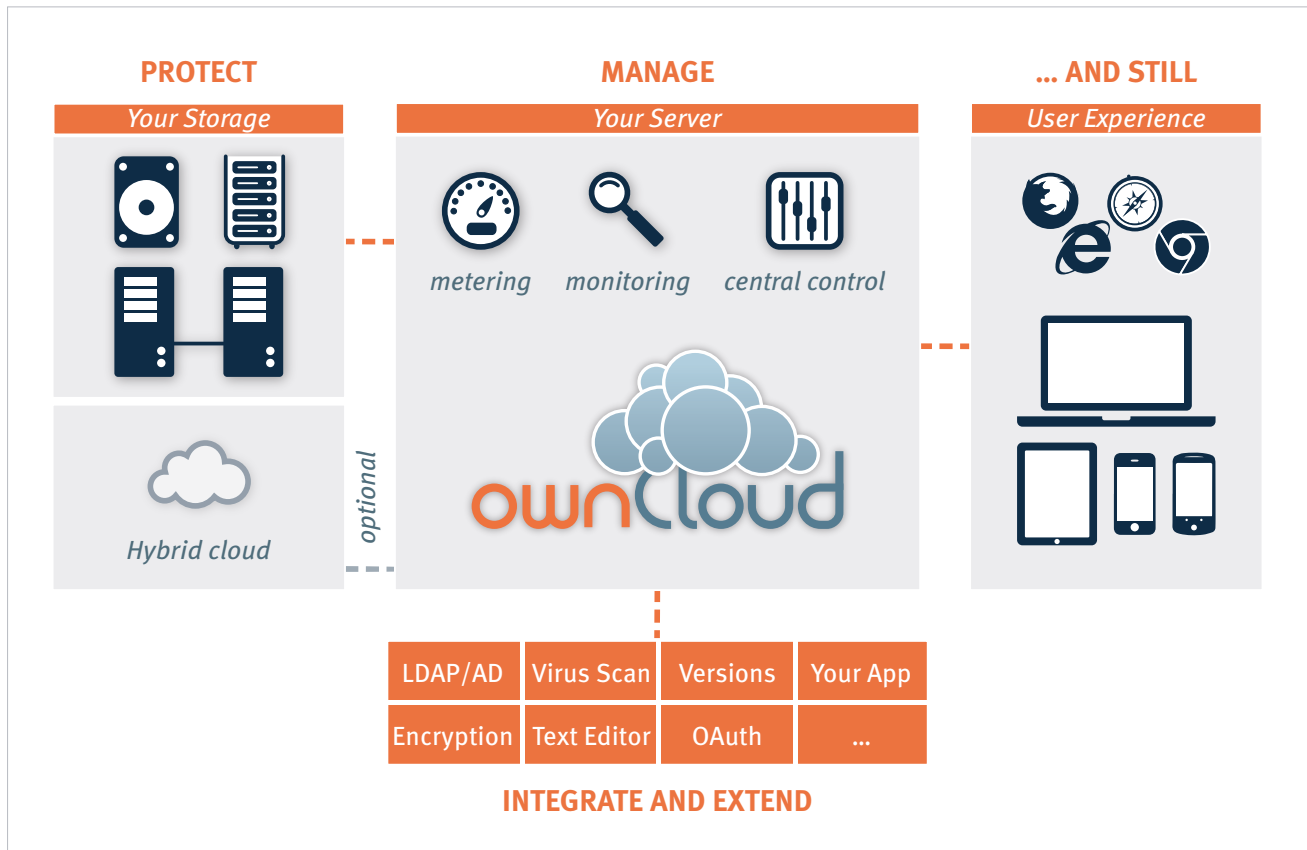

Figure 3: ownCloud Solution Architecture

The Community and Enterprise Editions

ownCloud provides two editions: Community and Enterprise. While the Community Edition is offered free via the ownCloud community, the Enterprise Edition offers software subscriptions and proprietary additions on top of the Community Edition. The Enterprise Edition comes with an ownCloud subscription that includes enterprise-class support, essential tools, and influence over the product roadmap.

Support: ownCloud's world-class support organization provides subscription customers with mission-critical live support, migration assistance, patches, upgrades and exclusive access to the customer portal. A strong service level

agreement (SLA) is included with each subscription.

Tools: certified ownCloud Enterprise Edition is tested and documented across a broad set of platforms. Performance tuning, architecture blueprints and documented examples are included, as are the proprietary ownCloud LDAP wizard, Oracle database support and the iOS and Android mobile apps. Tools such as file firewall, the logging module, home directory mounts, SAML integration and Jive integration are found only in ownCloud Enterprise Edition.

Influence: an ownCloud subscription means entry into a partnership with

ownCloud to ensure success, in both the short and long term. Subscription customers have input to product road maps – for both the Enterprise Edition and open source project – and access to a world-class team of experts to ensure the system is deployed in a secure and scalable manner.

ownCloud's Enterprise Edition license provides organizations with significant flexibility to customize, integrate and extend the core ownCloud technology. Add enterprise-class support, tools and influence, and an ownCloud subscription offers everything organizations need to address a wide range of file sharing needs.

YOUR CLOUD, YOUR DATA, **YOUR WAY!**

Conclusion

The proliferation of cloud-based file sync and share solutions puts organizations at risk of losing sensitive data, violating regulatory statutes and bypassing governance policies. ownCloud uniquely offers an enterprise-grade file sharing solution that **protects** sensitive data by storing and **managing** it on site, under IT's control. ownCloud **integrates** readily with existing IT tools, and can be easily **extended** to support a wide range of custom requirements. ownCloud also provides clean, polished user applications for desktop and mobile devices, providing users with the **productivity** they have come to expect while keeping IT squarely in control of all sensitive data.

For More Information

Visit **www.owncloud.com** for more information about ownCloud, links to download the software, and detailed product documentation.

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