

# CONTROL MANAGED AND AD-HOC FILE TRANSFER

## Shell Control Box Use Case

### The Challenge - Management of Sensitive File Movings

Managed file transfer (MFT) is always a difficult process to monitor, control or even audit. Branches rely on file transfer when performing large data transactions, operating a supply chain and other mission-critical applications. Sometimes, non-managed file-transfers are even more important with respect to regulation. Managed file transfers are usually audited and controlled by special MFT applications though their complexity may vary. On the other hand, ad-hoc transfers are extremely important as they can easily result in a serious data breach. As more and more business applications rely on file transfers between customers, businesses and strategic partners, management of such operations becomes more and more challenging. It is necessary to ensure that sensitive data remains confidential and provide full logging and auditing for regulatory compliance.



### Key Shell Control Box benefits for managed file transfer control

- control SSH, RDP, VNC, ICA, Telnet and other protocols
- control and audit SCP/SFTP-based file-transfers
- list of transferred files can be sent to a DLP for further inspection
- fine-grained access control policies (e.g. based on maintenance time periods, etc.)
- 4-eyes authorization
- real-time monitoring of file access & transfer with the possibility of instant termination
- easy search for files transfers and transferred content

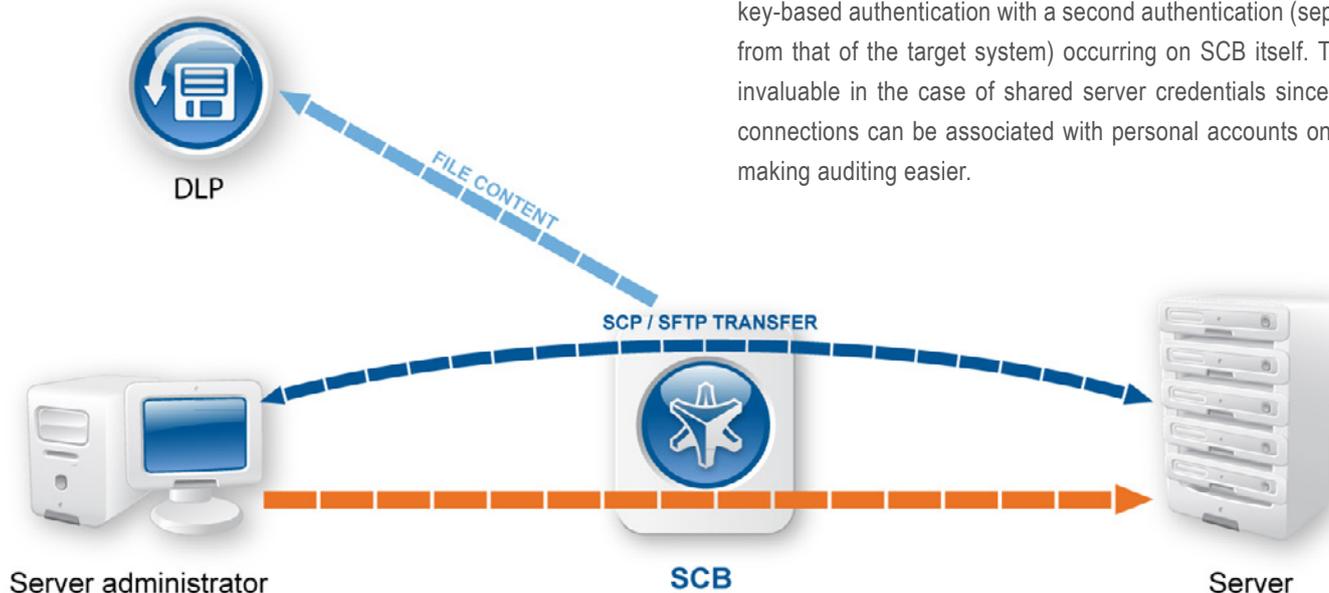
## The Solution - File Transfer Control

BalaBit Shell Control Box (SCB) enables companies to quickly and securely connect customers and partners. SCB is able to control and monitor any file transfers between different organizations. In addition, all of the file transfers are recorded and can be replayed if necessary. If you need more sophisticated investigation, SCB can send the content of the files to an external Data Leakage Prevention (DLP) system that can recognize and track the access and transfer of sensitive data. With this solution the DLP policy of the organization can be extended to the – so far uncontrolled – encrypted protocols like SSH, SCP, and SFTP. Obviously Shell Control Box has the advantage of recording not just the fact of data movement, but also the data itself. It can not only help detect leakage, but also provide information on the leaked data. This is important because, in many cases, organizations may be aware of data loss, but may not have any information about what data was actually lost. While the ability to prevent data leakage is preferred, having detailed information about lost data is still important.

## Technical Implementation

SCB is a proxy gateway: the transferred connections and traffic are inspected on the application level (Layer 7 in the OSI model), giving control over protocol. SCB operates transparently in your network and extracts information into audit trails directly from the communication between the remote client and the server, providing reliable, easy-to-access content.

It is possible to analyze the file-transfers over SCP and SFTP to list the file operations and extract the transferred files for later auditing. With this feature, both managed file transfer and ad-hoc network copies can be monitored, which is useful in forensics situations or for data leakage incidents. Auditors can search for file transfers on the SCB search interface, download the audit-trails containing specific files, and save the actual transferred content with the Audit Player for further inspection. Besides auditing, a granular access control mechanism can be put in place with SCB governing who (for example members of a particular Active Directory group) are permitted to utilize SCP/SFTP channels between systems at what time of the day. SCB is also capable of enforcing strong/advanced authentication techniques like public key-based authentication with a second authentication (separate from that of the target system) occurring on SCB itself. This is invaluable in the case of shared server credentials since such connections can be associated with personal accounts on SCB making auditing easier.



*Encrypted file transfer control and analysis*

## About BalaBit

BalaBit IT Security is an innovative information security company, one of the global leaders in developing privileged activity monitoring, trusted logging and proxy-based gateway technologies to help customers be protected against insider and outsider threats and meet security and compliance regulations. BalaBit, the second fastest-growing IT Security company in the Central European region concerning Deloitte Technology Fast 50 list, has local offices in France, Germany, Italy, Russia, and in the USA, and cooperates with partners worldwide. Its R&D and global support centers are located in Hungary, Europe.

More information: [www.balabit.com](http://www.balabit.com)

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