Implementing SaaS Security Workflows in Box

DoControl.

The DoControl Impact

DoControl provides comprehensive data access security that adds a foundational layer of preventative controls to protect sensitive business critical data and files in Box. The solution integrates with Box to secure all shared data and files accessed by every identity and entity, both internal employees as well as 3rd party collaborators. DoControl's fine-grain data access controls help prevent data overexposure and exfiltration, automatically remediate the risk of insider threats, and allow for business enablement to be achieved in a secure way.

Integrate Box with DoControl to:

Gain Visibility and Control

Box lacks the visibility required to manage and control access for groups and domains that regularly manipulate and share sensitive company data. The number of users and assets within a standard Box implementation is unmanageably high, creating a scalable problem when attempting to secure data and files within the application. Identifying all the external collaborators that have access to sensitive data requires the tedious process of manually looking up each individual file.

This lack of insight creates challenges when trying to comprehensively protect and validate user access (both internal and external) throughout the organization. DoControl enables Box users to gain full awareness of every entity that is accessing corporate data to identify what needs to be protected, and then create policy that allows for secure file sharing between all internal and external users.

Close Permissions and Enforcement Gaps

Establishing permissions to Box users lacks the required granularity to implement effective data access control policies. Applying settings that are based on specific users and departments, or other similar relevant parameters, is not supported in Box. For example, sales and marketing teams are more likely to share files externally compared to engineering and R&D teams. Box does not provide the ability to apply specific workflow policies to different groups and departments. Company-wide data access policies also lack granularity, and are limited to generic CRUD (create, read, update and delete). Discovering public URLs are easy to find within the Box admin console, however enforcement actions are limited to being established after the fact (e.g. removing external sharing), which is not a trivial process. DoControl provides future-proofed, secure workflows for specific users and groups that present higher-levels of risk to the business. DoControl can address limitless security use cases within Box, as the platform is completely-event driven by all SaaS activity within the application. Once defined, secure data access policies will be triggered in real-time, adding a critical layer of preventative controls to minimize file over exposure and over sharing.

Secure 3rd Party Access

Box does not provide the ability to enforce the prevention of sharing documents on a shared drive from an approved 3rd party, to other vendors (i.e 4th party vendor). Once assets are shared out to approved 3rd parties, what those users then do

Key Benefits

1. Gain visibility into individual user interactions within Box, as well as a comprehensive view of the entire organization
2. Experience a risk-based approach to securing Box by prioritizing the necessary identities and assets that carry higher levels of risk
3. Establish secure workflows that are future-proofed to mitigate the risk of data overexposure and exfiltration
4. Implement the granular access required to maintain business continuity by granting each group/ department with the the sharing capabilities required
5. Centrally enforce consistent data access controls throughout Box, and all other critical SaaS applications

with the data is out of the scope of control for the organization who has ownership over the file. DoControl provides secure workflows for approved external collaborators that prevent the sharing of sensitive files to unauthorized parties. In addition, DoControl will automatically expire external and public sharing, reducing the risk of data overexposure.

The DoControl solution helps address the downstream effect of file sharing to potentially unapproved vendors by mitigating the risk of data leakage, providing a strong security posture in Box environments

Enforcement Actions

Enforcement actions can be established by defining secure workflow policies that trigger automatically by events within Box, as well as manual ‘immediate actions’ that DoControl administrators can execute to reduce risk in real-time

- **Example pre-established secure workflow policies include:** prevention of public asset sharing, auto-expiration of public sharing, removal of external collaborators, notification of encrypted keys sharing, prevention of sharing to private email accounts, asset monitoring and isolation, and more.

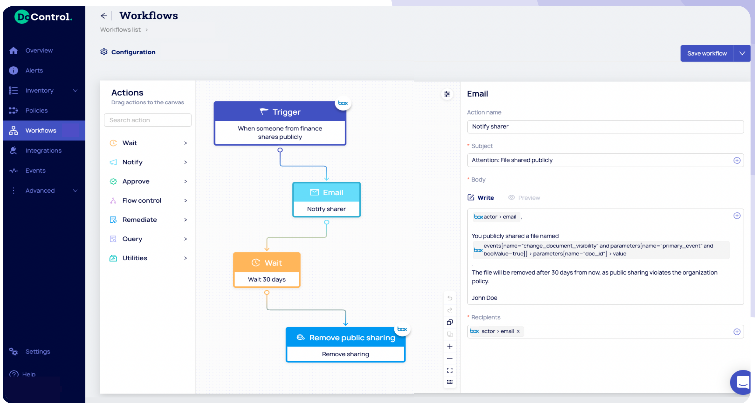
- **Example immediate actions include:** removing public sharing, changing file ownership, revoking access to specific users, and more.

Reach out to a DoControl expert to review additional enforcement actions and threat model coverage.

DoControl provides a rich catalog of hundreds of playbooks that can be leveraged to create specific enforcement actions within Box. Policies can be created from scratch, or the playbooks can be adjusted to align to specific security program requirements. Creating secure workflow policies for Box with DoControl can be achieved in a few simple clicks. The playbooks can be found directly within the DoControl console by accessing the **Workflows** tab.

Permission Scopes

A full listing of required read/write permissions scopes are available in the DoControl documentation portal, which you can find here. The individual integrating DoControl with Box must be a Box administrator**,** a co-administrator is not sufficient. Once integrated, the DoControl solution is enabled to automatically implement the enforcement actions that've been pre-established (examples listed above), across all Box users and assets.



Email

Action name: Notify sharer

* Subject: Attention: File shared publicly

* Body:

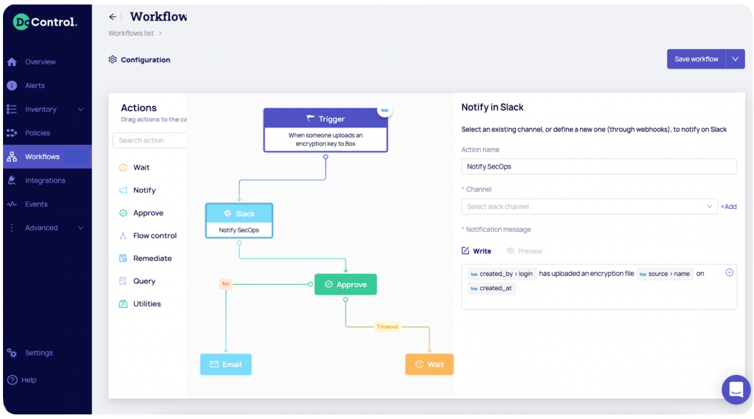
box actor › email ,

You publicly shared a file named
box events[name="change_document_visibility" and parameters[name="primary_event" and boolValue=true]] › parameters[name="doc_id"] › value
.
The file will be removed after 30 days from now, as public sharing violates the organization policy.

John Doe

* Recipients: box actor › email ×

Automatically expiring a public share in Box, after notifying the individual actor and waiting 30 days before the removal.



Notify in Slack

Select an existing channel, or define a new one (through webhooks), to notify on Slack

Action name: Notify SecOps

* Channel: Select slack channel

* Notification message:

box created_by › login has uploaded an encryption file box source › name on box created_at

Notification of encryption keys being uploaded into a Slack channel from Box, with an approval process for the Security Operations team.

About Box

Box develops and markets cloud-based content management, collaboration, and file sharing tools for both consumers and businesses. Box's software allows users to store and manage files in an online folder system accessible from any device. Users can create certain files directly in Box.com and add comments or notes that are visible from the folder system. Users can also invite "collaborators" that can upload or modify files or the user can share specific files or folders.

Partner with DoControl and start moving security closer to what drives the modern business forward. Learn more.