

# How to Use the MITRE Security Automation Framework

MITRE | SAF (<https://saf.mitre.org>)

## The Security Challenge

Given the speed of change in today's technology landscape and the resulting increased security threats, how can organizations keep up with the security requirements while deploying apps at speed?

## The Solution: The MITRE Security Automation Framework (MITRE | SAF)

The MITRE | SAF helps teams implement security, visualize security status, drill down to identify root cause, and mitigate security risks. The MITRE | SAF enables organizations to:

- Access a complete set of tools from a common platform
- Leverage shared solutions using an open source continuous collaboration agreement
- Build automation into existing workflows to achieve security goals such as



## When can the MITRE | SAF help?

The MITRE | SAF helps organizations develop and programmatically automate security in their current internal planning, development, assessment, and operational activities.



### During PLANNING an organization can use SAF to:

- Identify applicable security and privacy requirements
- Assess development best practices guidance
- Identify SAF tools to support development, assessment, & operations security processes
- Become a participant through the Continuous Collaboration Agreement

### During DEVELOPMENT an organization can use SAF to:

- Implement relevant security hardening scripts
- Validate security status and aggregate security testing data at each build
- Drill-down in visualization tools to identify security defect root cause and mitigations
- Set security testing results thresholds
- Store or export "evidence" for assessors

### During ASSESSMENT an organization can use SAF to:

- Aggregate all security control assessment data
- Visualize security status to prioritize assessment activities
- Run validation checks on prioritized areas
- Drill-down in visualization tools to identify root cause and inform risk assessment

### During OPERATIONS an organization can use SAF to:

- Monitor security posture through validation checks
- Aggregate normalized security testing content to enable data visualization, drill-down, and root cause analysis
- Assign remediation actions for identified security risks

For more information, contact the team at [saf@groups.mitre.org](mailto:saf@groups.mitre.org) or visit us at <https://saf.mitre.org>