

**SAP Solution Brief**

Solution Extensions

SAP Critical Infrastructure Protection  
by AlertEnterprise

---

Objectives

---

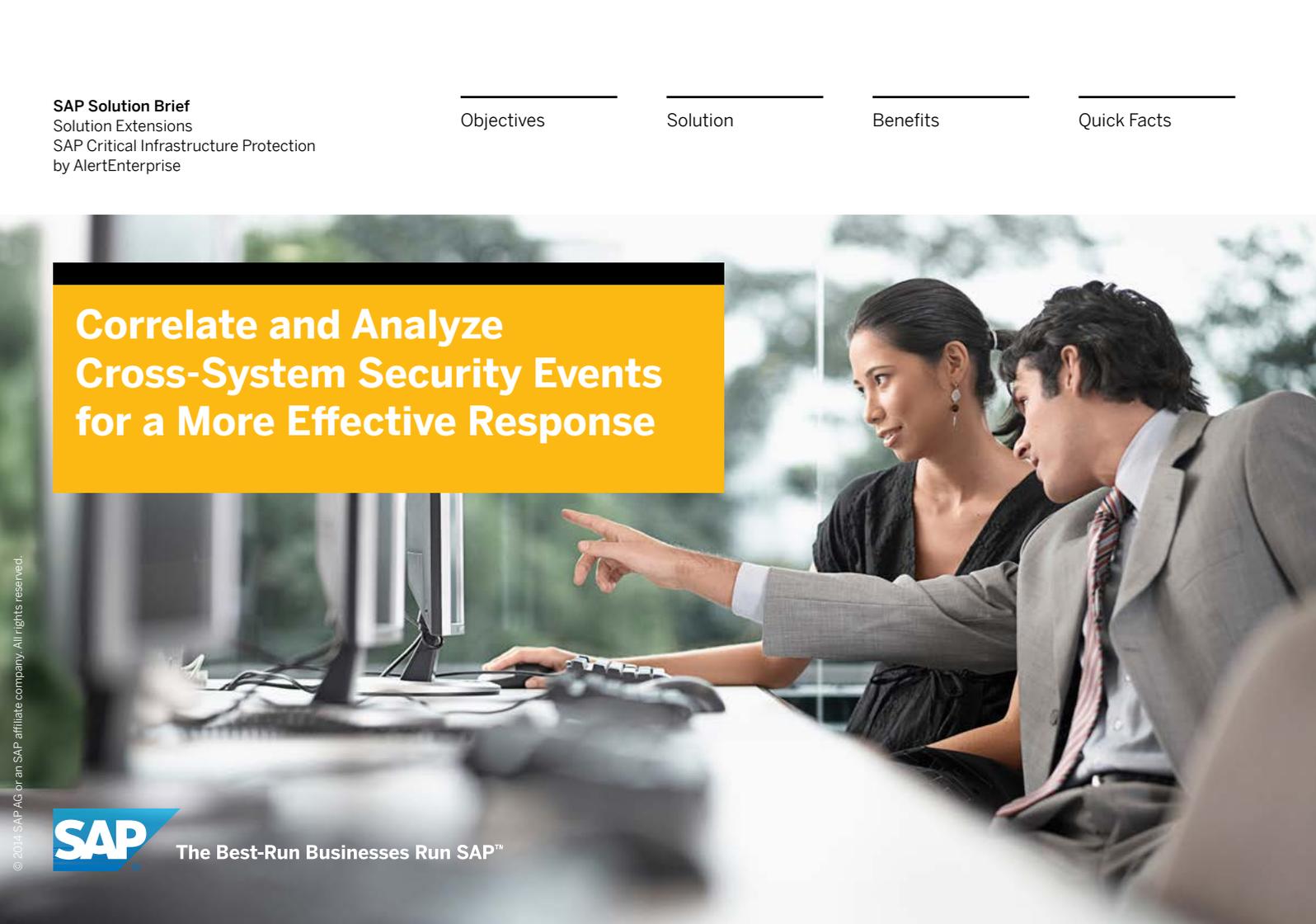
Solution

---

Benefits

---

Quick Facts



**Correlate and Analyze  
Cross-System Security Events  
for a More Effective Response**



The Best-Run Businesses Run SAP™

## Safeguard facilities and operational systems from misuse

# Safeguard facilities and operational systems from misuse

Safeguarding facilities and operational systems from misuse has become more challenging due to the increasing sophistication of potential attacks and threats. While most organizations have [multiple security systems to monitor physical access](#) and operational systems, you must properly coordinate information across these systems for maximum protection.

Addressing these and other issues now requires automated, rules-based correlation of information from the multiple sources you must use to monitor physical access, maintain digital control and facilities control, and supervise your operational systems.

By consolidating security and activity data for operations and physical access, you can correlate events from disparate technologies to provide advanced security and situational

awareness. This support provides the intelligence for decision making that enables operations teams to quickly respond to security breaches and mitigate the impact of actual incidents.

The SAP® Critical Infrastructure Protection application by AlertEnterprise provides a unified platform for security intelligence across your physical access, operational, and industrial control systems.



# Increase overall visibility into security activities

## **Increase overall visibility into security activities**

Understand anomalies and reduce unauthorized system changes

Coordinate responses with automated scripts

Knowing what to respond to is as critical an aspect of any security system as knowing when to respond. If information required to investigate incidents lies in disparate systems, precious time is lost sifting through large amounts of data to find details needed for event remediation – which might not be found in time. With software that combines physical access information with other security data, you get the context you need to determine the severity of the threat or incident and to prioritize the response.

SAP Critical Infrastructure Protection provides that context. Its rules-based platform

correlates critical pieces of data across various systems to deliver a consolidated view of information related to an incident. Enhanced dashboards consolidate information from disparate security tools monitoring physical access activities within a facility. Instead of viewing what appears to be unrelated security and activity data, employees see coherent, role-driven displays and consolidated views of alerts. This significantly increases visibility into physical-access activities and boosts the effectiveness of personnel who monitor these activities. By enabling smart decision making, the software helps minimize the damage and impact of a breach.



# Understand anomalies and reduce unauthorized system changes

Increase overall visibility into security activities

## Understand anomalies and reduce unauthorized system changes

Coordinate responses with automated scripts

SAP Critical Infrastructure Protection correlates and analyzes events from your existing security systems to enhance their usage and provide activity reporting. This helps you establish baselines of use patterns – such as typical numbers of active personnel and their arrival times – in order to identify anomalies and possible security issues.

Just as important as securing physical assets is maintaining the safety and protection of employees and visitors – especially in industries that involve hazardous materials and equipment. Should a situation arise, knowing which people are on site and where they are is critical to a swift, coordinated response.

By providing a centralized dashboard that identifies and prioritizes anomalies, the software directs the attention of personnel to the appropriate systems – whether physical or operational – enabling them to investigate significant events and address them immediately.

SAP Critical Infrastructure Protection can detect configuration changes to your operational systems and compare them against authorized work orders in your business systems. This gives security personnel the baseline business context they need to assess what might be unauthorized changes to operational systems. This accelerates the crucial decision-making process, enabling a more immediate, risk-based, meaningful response.



# Coordinate responses with automated scripts

Increase overall visibility into security activities

Understand anomalies and reduce unauthorized system changes

## **Coordinate responses with automated scripts**

SAP Critical Infrastructure Protection can create incident cases automatically that reflect type, priority, risk, and criticality thanks to its rules-based alerting functionality. Using that functionality and preconfigured response scripts, the software can recommend actions personnel should take in the case of an alert.

For minor anomalies, the software might recommend remedial action or the simple reporting of an incident. In the event of a serious security issue, the software might specify the internal or public agencies with which security operations teams should coordinate. Because the software can pair a person's identity and role

with access to critical assets, it can guide security personnel in making informed decisions for individual situations.

The scripts can incorporate your organization's governance and security policies, turning the software's response recommendations into a powerful tool that helps security personnel mitigate effects of an event more quickly and with greater confidence. Organizations looking to establish centralized security operations teams and centers – particularly industries involved in hazardous materials and conditions – need look no further. This is the software they need.



**Reduce the damage and impact of unauthorized physical access**

# Reduce the damage and impact of unauthorized physical access

SAP Critical Infrastructure Protection leverages the investments made in your existing security technology to help you achieve keener situational awareness, tighter security control, clearer management reporting, and higher compliance. The software enables a faster, more targeted response to security events and anomalies, reducing possible impact on your business and personnel.

With the software you can automate security processes, monitor and manage risk with far-greater efficiency, and gain actionable insight into the root cause of anomalies. The software's dashboards pull together information from all your monitoring systems in a centralized display of information to focus the attention of your security personnel on the events and trends in your facility that matter. Personnel operate with increased effectiveness and enhanced productivity, thereby increasing the security of your facilities and their physical assets.



Correlate access attempts with video surveillance to achieve better situational awareness.





---

Objectives

---

Solution

---

Benefits

---

**Quick Facts**

---

**Summary**

The SAP® Critical Infrastructure Protection application by AlertEnterprise offers uniform support for security intelligence involving physical access to facilities and assets, operational technology, and industrial control systems. By consolidating video, business data, and asset intelligence, the software helps you detect potential security breaches before they occur and mitigate the impact of actual incidents.

---

**Objectives**

- Reduce the damage and impact caused by unauthorized physical access or changes to operational systems
- Increase overall visibility into security activities
- Enhance situational awareness, control, and reporting
- Reduce costs for tracking and responding to incidents

---

**Solution**

- Centralized monitoring of physical and operational systems
- Rules-based correlation and analysis of data
- Prioritization of security events
- Preconfigured response scripts
- Situational intelligence from video and events
- Consolidated views of system and business data

---

**Benefits**

- Leverage investments in existing security systems
- Respond more quickly to security incidents
- Increase situational awareness
- Gain greater insight into the root causes of anomalies
- Reduce cost of tracking and responding to incidents

---

**Learn more**

To learn more, contact your SAP representative or visit

[www.sap.com/critical-infrastructure-protection](http://www.sap.com/critical-infrastructure-protection).



© 2014 SAP AG or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG (or an SAP affiliate company) in Germany and other countries. Please see <http://www.sap.com/corporate-en/legal/copyright/index.epx#trademark> for additional trademark information and notices. Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP AG or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP AG or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP AG or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP AG or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP AG's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP AG or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.



**The Best-Run Businesses Run SAP™**