

SOLUTION BRIEF

# Cloud Computing Compliance Criteria Catalogue (C5) and Armis

The [Cloud Computing Compliance Criteria Catalogue \(C5\)](#) is a framework developed by the German Federal Office for Information Security (BSI). It sets forth stringent guidelines for ensuring security and compliance in cloud computing environments. This solution brief explores the C5 framework and how Armis can assist organizations in achieving and maintaining compliance with this standard.

# Understanding the Cloud Computing Compliance Criteria Catalogue (C5)

## Overview of C5

The C5 framework is designed to provide cloud service providers (CSPs) and their customers with a clear and comprehensive set of criteria to ensure the security and reliability of cloud services. The C5 criteria are divided into several sections, each addressing different aspects of cloud security:

### 1. Organization of Information Security

Establishes the governance and management of information security.

### 2. Asset Management

Ensures that assets are identified, managed, and protected.

### 3. Human Resources Security

Covers security measures related to personnel involved in cloud services.

### 4. Physical and Environmental Security

Focuses on the physical protection of data centers and infrastructure.

### 5. Communications and Operations Management

Addresses the management of communications and operational procedures.

### 6. Access Control

Ensures that access to information and systems is controlled and monitored.

### 7. Information Systems Acquisition, Development, and Maintenance

Covers the security aspects of systems and software development.

### 8. Incident Management

Provides guidelines for managing and responding to security incidents.

### 9. Business Continuity Management

Focuses on the resilience and recovery of services.

### 10. Compliance

Ensures adherence to legal, regulatory, and contractual requirements.

## Importance of C5 Compliance

C5 compliance is crucial for several reasons:

### Trust and Assurance

Demonstrates to customers and partners that the cloud service provider meets stringent security standards.

### Regulatory Requirements

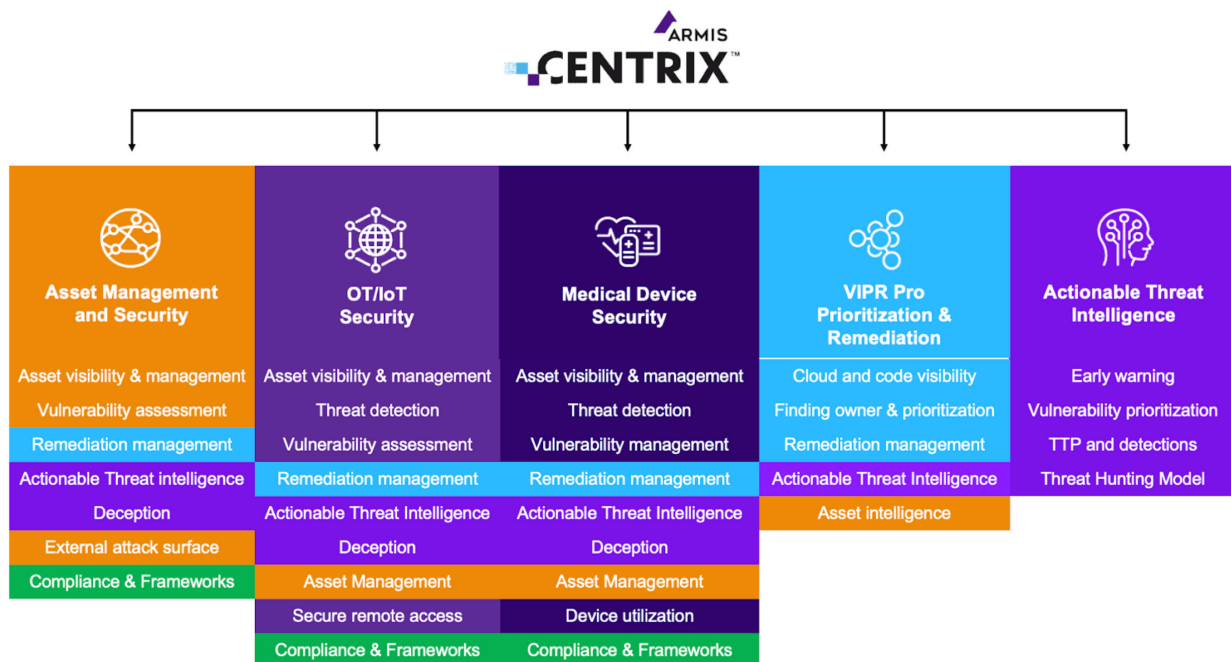
Helps organizations meet legal and regulatory requirements, particularly in Germany and the European Union.

### Risk Management

Enhances the overall security posture by identifying and mitigating risks associated with cloud services.

# How Armis Can Help with C5 Compliance

Armis helps organizations align with C5 compliance standards at scale. The Armis Centrix™ platform offers a comprehensive suite of solutions designed to help organizations achieve and maintain compliance with the C5 framework.



Key capabilities that align with C5 criteria include:

## Asset Management

Armis provides real-time visibility into all assets connected to the network, including managed, unmanaged and ephemeral assets from the ground to the cloud. This aligns with the C5 criteria for asset management, ensuring that all assets are identified, monitored, and protected. With Armis, organizations can:

- | Discover and classify all devices in the network including cloud assets such as containers, web apps, workloads, repositories and more.
- | Ensure proper asset inventory and tracking.
- | Monitor device behavior and identify anomalies as well as policy violations.

## Access Control

Armis helps enforce robust access control measures by monitoring and controlling network access. This is critical for meeting the C5 access control criteria. Armis allows organizations to:

- | Implement network segmentation and micro-segmentation for assets that are not behaving as expected.
- | Secure remote access (SRA) controls access using “least privilege” to sensitive data and systems. Employees and authorized personnel get access only to what is needed to perform their job function.
- | Monitor user behavior and device access patterns.

## Security Resilience and Remediation

Armis provides advanced threat detection and prioritization and remediation capabilities all powered by AI. This aligns with the C5 criteria for security and incident management by ensuring that organizations can quickly identify and respond to security incidents. Armis empowers organizations to:

- | Apply early warning detection of attacks that are still in the formulation stage.
- | Detect and respond to threats in real-time.
- | Automate alarm deduplication, prioritization, incident response and remediation workflows.
- | Integrate with existing security stacks such as SIEM, SOAR and ticketing systems.



## Communications and Operations Management

Armis supports the secure management of workflows communications and operational procedures. This is essential for meeting the C5 criteria for communications and operations management. With Armis, organizations can:

- | Ensure secure communication channels.
- | Monitor network traffic for suspicious activities.
- | Implement and enforce security policies.

## Compliance and Reporting

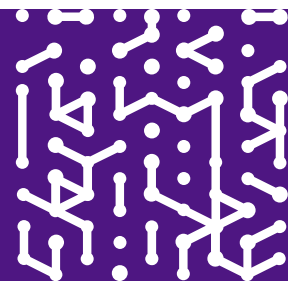
Armis provides comprehensive reporting both out-of-the-box and customized. This helps organizations proactively meet the C5 compliance criteria by providing detailed reports and audit information to demonstrate compliance to regulatory bodies whether it is C5 or requirements. Armis offers:

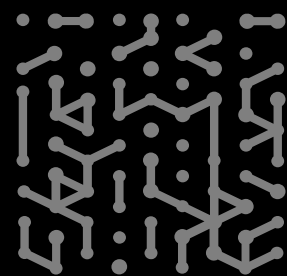
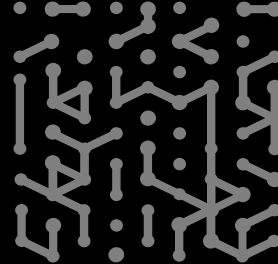
- | Automated compliance reporting.
- | Detailed audit logs for all activities and well as drill down into specific events or devices.
- | Continuous monitoring for compliance adherence based on goals that are set by the organization.
- | Benchmarking to demonstrate how the organization compares to others in the industry.

# In Summary

Achieving compliance with the Cloud Computing Compliance Criteria Catalogue (C5) is essential for organizations leveraging cloud services. Armis Centrix™ is a robust cybersecurity platform that aligns with the C5 criteria, helping organizations ensure the security and compliance of their cloud environments as well as the workloads that run through them. By leveraging Armis, organizations can enhance their security posture, meet regulatory requirements, and build trust with their customers and partners.

For more information on how Armis can help your organization achieve C5 compliance, please visit [Armis' official website](#) or contact their sales team for a consultation.





**Armis, the asset intelligence cybersecurity company, protects the entire attack surface and manages the organization's cyber risk exposure in real time.**

In a rapidly evolving, perimeter-less world Armis ensures that organizations continuously see, secure, protect and manage all critical assets.

Armis secures Fortune 100, 200 and 500 companies as well as national governments, state and local entities to help keep critical infrastructure, economies and society safe and secure 24/7.

Armis is a privately held company headquartered in California.

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