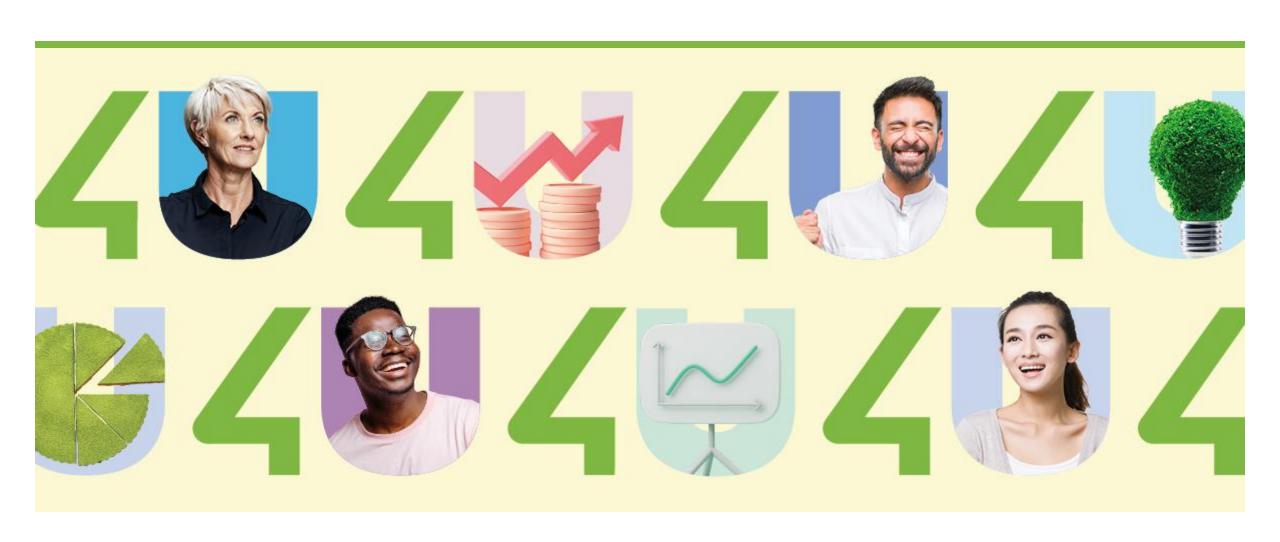
Information Security in the Cloud

UNIT4

Confidentiality - Integrity - Availability





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Deputy CTO
Unit4

Welcome

Join our webinar for an in-depth look at how Unit4 can support your efforts to safeguard data, the core principles of information security and how they apply to modern technology.

High level topics for today:

- Shared Responsibility of Information Security in the Cloud
- Ensuring Confidentiality, Integrity, and Availability in Unit4's Cloud Services
- Building a Strong, Security-Focused Organization
- AI: Enhancing Protection and Introducing New Threats

Warning: this presentation includes Al-generated content!





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Create an image illustrating "data security in the cloud."



CIA – a framework for information security



Securing information is not available for unauthorized people

Securing information is not modified unintentionally, or by unauthorized people

Securing information is available for authorized people when needed

Robustness: The organization and the systems are resilient, and able to restore business as usual after incidents



The cloud shared security model



Customer responsibility

Data classification and data ownership



Shared responsibility

Identity, access management, configuration

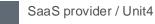


SaaS provider responsibility

Physical | Infrastructure | Service | Application











Confidentiality

How is confidentialty ensured?



- Secure authentication
- Proper access control / configuration



- Application security
- Service security
- Infrastructure security
- Client security



- Encryption "at rest"
- Encryption "in transit"
- Privacy by design



Monitoring



generate an image that encapsulates the confidentiality aspect of the CIA triangle in computer security



Zero Trust Guiding Principles



Continuously verify



Least privilege access



Assume breach

Authenticate and authorize based on all available data points.

Limit access to just enough access, just when needed (JIT/JEA)

Minimize consequences and segment access

Without compromises for the employee's productivity



02 Integrity

How is integrity ensured?



- Unquestionable data ownership
- Approval routines
- Correct configuration and automation



- Data validation upon entry
- Data source and quality control
- Client security / Zero Trust



- Message signing
- End-to-end encryption



- Audit logs
- Access logs







03 Availability

Availability – Service Level Agreement



Lowest average availability

«Recovery Point Objective»

Maximum data loss in the event of a serious incident

(Robustness)

«Recovery Time Objective»
Maximum time before the data is restored in the event of a serious incident
(Robustness)



Unit4 Cloud SOC1 Type 2 SOC2 Type 2 ISO27017 ISO27001 Unit4 Service Unit4 SaaS - Cloud



How is availability ensured?



- "Sea of green" SLA
- Quick response / automation
- Phased roll-out of changes
- Avoid any manual infra configuration



- End point control
- Intelligent blocking and rerouting
- Redundancy



- Continuous backup
- Rapid re-establishment of complete systems



- Health monitoring everywhere
- Monitoring / SIEM
- Automatic notifications









Unit4's smart automation solutions



Human-centric approach

- Understanding user needs
- Integration into the experience
- Technology selection and implementation



Pragmatic Al

- Development is driven by user problems
- Al on when traditional methods fall short



Ethical Responsibility

- Ensuring responsible progress
- User data protection

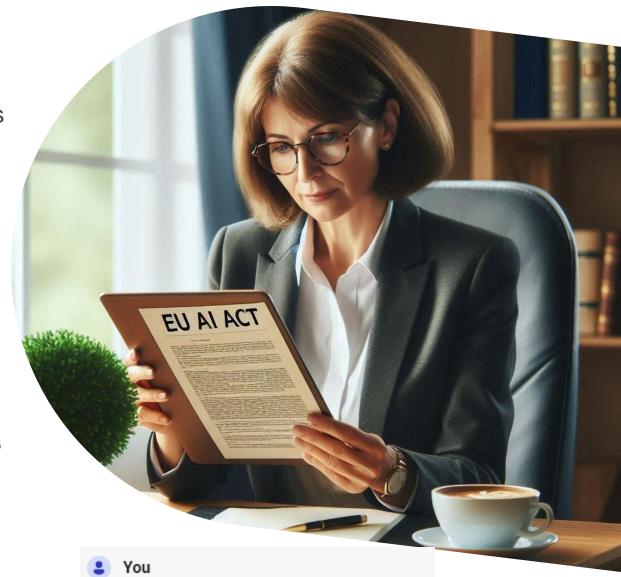
Security and Al

EU AI Act

- Ban on systems with unacceptable risk
- Obligations for suppliers and users of high-risk systems
- Requirements for the development of general Alsystems, including ethical considerations
- Openness around training data and method
- Transparency about precision and required ability to override

New considerations for the development and use of Al

- Neutrality, bias, ethics, and copyright
- Intuitive visibility of when AI is involved in a decision
- Awareness among users on possibilities and limitations
- Careful use of data in both training and operational phases
- Introduces completely new attack vectors



Create an image of an executive leader reading the EU AI Act





Security as part of Unit4's Software Development Lifecycle

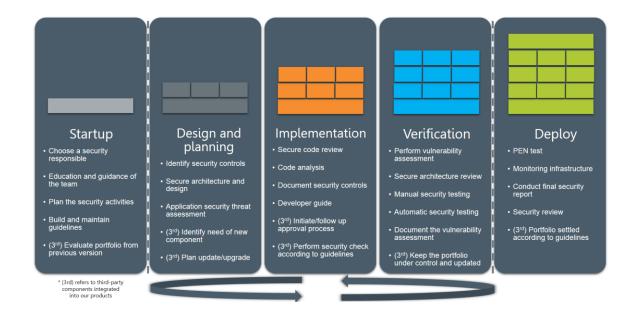








Global Quality Assurance Standard

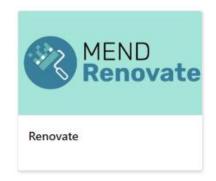


Automatic quality gates and security tooling











How Unit4 ensures CIA robustness at organizational level

Continuous update of standards

- Security teams led by the CISO continually review the Unit4 Information Security Management System (ISMS).
- This ISMS is certified to ISO27001, ISO27017, implemented using the ISO 27002:2022 guidelines.
- Unit4 also holds SOC1 and SOC2 which is audited annually in collaboration with our audit partner (KPMG).
- The Management Framework is further certified to cover Quality with ISO9001.
- The ISMS is compliant with for example GDPR, EU AI ACT, NIS2, DORA and EBA.
- The framework covers the regulations for the use of AI tools internally and in the product.
- Unit4 Global Security Governance Framework applies to all functions of Unit4.
- Link to Unit4's cloud security certifications: https://community4u.unit4.com/cloud/documentation

Builds on secure platforms and with sharp tools and routines

- Microsoft Azure
- Strong SDLC and DevSecOps in development and in production, and investment in great products (MEND, Contrast, Sentinel etc)

Invests in people, security awareness and knowledge

- Training and testing of knowledge
- Regular rehersals and drills on exceptions, disasters and routines
- Unannounced phishing tests and mandatory security training including social hacking awareness



Want to learn more?

Hear it from our CISO in this blog: Leveraging SaaS solutions to become a data-driven enterprise, and boosting security Leveraging SaaS solutions to become a data-driven enterprise, and boosting security

from Tom Ascroft November 21, 2023 I 4 min read

Share (1 (ii)

Moving to the Cloud can be an intimidating process, especially if you're worked about security, and compliance. However, with the right guidance, you can make sure that you's Sao's solutions or sele and campliant. Don't let security, and compliance concerns keep you from the security and compliance concerns keep you from disting advantage of all the benefits that Cloud migration can bring. In this blog post, I would like to discuss the importance of toking the necessary steps to ensure the security and compliance of your Cloud-based solutions.



For ERP customers:

Al-Powered ERP: Shaping Businesses of Tomorrow Webinar from Sept 5 – <u>watch on-demand</u>

Learn more on Unit4 Al

Explore Our Al Philosophy: Visit <u>Unit4.com</u> and read our <u>Al whitepaper</u>.

Additional resources:

Watch this on-demand webinar with Microsoft:

How the Cloud is changing security and the Unit4
and Microsoft partnership

Read our **Unit4 Data Security and Privacy**







Thank you for your time and for listening.

Reach out to your Account Manager for next steps.

