



USAID
FROM THE AMERICAN PEOPLE

CERTIFICATE of COMPLETION

This certifies that

Yaroslav Kruchynskyi

has successfully completed the course

Cloud Cybersecurity

within the 2022 Cybersecurity Summer Instructor Training Program
under the **USAID Cybersecurity for Critical Infrastructure in Ukraine Activity**

11 July – 31 August 2022

Petro Matiaszek

Chief of Party, USAID Cybersecurity for Critical Infrastructure in Ukraine Activity



USAID
FROM THE AMERICAN PEOPLE

Annex to the
CERTIFICATE of COMPLETION

of the course

Cloud Cybersecurity course

within the 2022 Cybersecurity Summer Instructor Training Program
under the **USAID Cybersecurity for Critical Infrastructure in Ukraine Activity**
11 July – 31 August 2022

Module	Hours
Fundamentals of Cloud Computing and Architectural Characteristics <ul style="list-style-type: none">• Understand what Cloud computing is• Architectural and Technological Influences of Cloud Computing• Understand the Cloud deployment models• Scope of Control• Cloud Computing Roles• Risks and Security Concerns	6
Security Design and Architecture for Cloud Computing Guiding Security design principles for Cloud Computing <ul style="list-style-type: none">• Quick look at CSA, NIST and ENISA guidelines for Cloud Security• Common attack vectors and threats	6

Secure Isolation of Physical & Logical Infrastructure 6

- Isolation
- Common attack vectors and threats
- Secure Isolation Strategies

Data Protection for Cloud Infrastructure and Services 6

- Understand the Cloud based Information Life Cycle
- Data protection for Confidentiality and Integrity
- Common attack vectors and threats
- Encryption, Data Redaction, Tokenization, Obfuscation, PKI and Key Management, Assuring data deletion
- Data retention, deletion and archiving procedures for tenant data
- Data Protection Strategies

Enforcing Access Control for Cloud Infrastructure based Services 6

- Understand the access control requirements for Cloud infrastructure
 - Common attack vectors and threats
 - Enforcing Access Control Strategies
 - Compute, Network and Storage
-



Monitoring, Auditing and Management	6
<ul style="list-style-type: none">• Proactive activity monitoring, Incident Response• Monitoring for unauthorized access, malicious traffic, abuse of system privileges, intrusion detection, events and alerts• Auditing – Record generation, Reporting and Management• Tamper-proofing audit logs• Quality of Services• Secure Management	
Summary of course	4
Labs and Practices	40
Self-study	90
Tests	10
Total	180

Petro Matiaszek

Chief of Party, USAID Cybersecurity for Critical Infrastructure in Ukraine Activity