Azure Cloud Security Baseline - Assessment & Threat Profiling

As organisations increasingly make use of cloud based services to improve efficiency, drive down costs and improve agility, the impact to the business, should anything go wrong, is increased exponentially.

One of the key challenges arising from the adoption of Cloud Services is that the boundaries and applicability of security controls become blurred. It becomes difficult to maintain the appropriate risk tolerance to security controls across the range of Microsoft Cloud services.

NCC Group offer a number of services to assist you in appropriately securing your Azure environment(s). In additional to technical assessments we have two services focused on risk management, governance and threat profiling:

• **Azure Cloud Security Baseline Assessment** - a broad and comprehensive review of your Azure controls with the aim of identifying deficiencies, providing appropriate remediation advice and benchmarking your security posture to allow you to demonstrate your improvement over time.

• **Cloud Threat Profiling** - a more focused review of your key assets, the threats unique to them and the most likely means of compromise.

Azure Cloud Security Baseline Assessment

NCC Group's Azure Cloud Security Baseline Assessment will provide a real world view of the prevent, detect and respond cyber security capabilities of your organisation.

We have developed a Cloud Security framework, based on industry best practices (ENISA CCSM, CSA, ISO 27001) and our expertise, to assess cloud service providers and your implementation and identify areas of risk to your organisation's data:

IS Policy	Security Roles	Risk Management	Security Knowledge & Training	Security in Supplier Relationships
Cloud Access Control	Cloud Integrity	Operating Procedures	Human Resources	Change Management
Incident Response & Detection	Incident Reporting	Monitoring & Logging	System Tests	Security Asssessments
Checking Compliance	Cloud Interface Security	Cloud Software Security	Cloud Data Security	Phyiscal & Environmental Security

A key deliverable unique to this assessment is a Maturity scorecard that provides you with your current Cyber Security baseline state, often used to demonstrate remediation progress and support investment priorities.

Benefits

• **Expert and independent:** Delivered by NCC Group's highly skilled Microsoft Security Certified consultants with deep industry experience.

• **Validation and benchmarking:** Allows you to determine if your security posture has improved over time.

• **Holistic:** Considers the need for agility, scalability and reliability in your real-time business operations and allows security to become a business enabler.

• **Current:** Addresses the need to move away from the classic network perimeter and to use identity based controls.

• **Comprehensive:** Goes beyond a technical focus and takes a rounded view of people, process and technology.

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Cloud Threat Profiling

In a Cloud Threat Profiling engagement, NCC Group will undertake a focused review of your cloud tenancy's security design and architecture. We will produce a detailed threat profile addressing:

- Key data and technology assets to be protected.

- Significant threats to the confidentiality, integrity or availability of the identified assets.

- Important design considerations and controls currently in place.

- Pertinent threat actors and their most likely means of realising the threats.

A deliverable unique to this assessment is a comprehensive threat profile that can be the foundation for more formal threat modelling and a list of potential attack vectors.

Our Approach

NCC Group's tried and tested approach for both service offerings is:

- Project initiation – finalise and agree scope, stakeholders, timescales and deliverables.

- Document review – review policies and standards in place along with technical designs, use/test cases and user stories as appropriate.

- Workshops and interviews – understand key processes and procedures.

- Reporting – business focused assessment of risks and impacts.

The assessment can help you to decide what you need to prioritise when it comes to investment and the effort required when it comes to improving your cloud security posture.

What to expect

Detailed and accurate reporting provides you with a deep insight across many areas of your cloud and inter-related environments providing a comprehensive view of your exposure.

We will highlight weaknesses in your systems and processes and tailor this to your different audiences, from providing technical vulnerability descriptions and remediation actions for your operations teams, to strategic recommendations at board level, improving the state of security in both the short and long term.

NCC Group will provide a report that contains:

- Executive level summary of your business risk and means of addressing it.

- Details of the deficiencies in your cyber controls and the potential outcomes of a cyber breach for your organisation.

- A prioritised remediation road map addressing both strategic and tactical issues.

- Thorough technical appendices detailing all identified deficiencies and suggested remedial actions.

A post assessment briefing can also be provided to give you an opportunity to discuss the engagement's findings and recommended next steps.

Both assessments along with our in-depth industry experience, technical expertise and alignment with international standards ensures that you will gain a 360° view of your Azure environments information security risks.

Finally, we can back up our recommendations making our experts available to support your personnel in remediation and deployment activities.

Azure

About NCC Group

NCC Group is a global expert in cyber security and risk mitigation, working with businesses to protect their brand, value and reputation against the ever-evolving threat landscape.

With our knowledge, experience and global footprint, we are best placed to help businesses identify, assess, mitigate & respond to the risks they face.

We are passionate about making the Internet safer and revolutionising the way in which organisations think about cyber security.

For more information from NCC Group, please contact:

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