Bridewell CONSULTING

Above. Beyond. Always

Azure Sentinel PoC

Rapidly realise the value and potential of the Sentinel SIEM/SOAR

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Closing the cyber defence gap

Digital transformation continues to drive change and evolution across all business sectors as they adopt connected devices, cloud technology and the mobilization of their workforce.

The number of opportunities that this creates for cyber criminals grows daily, but their main attack methods remains in finding weaknesses in our people, unpatched systems and configuration flaws.

As threats continue to evolve and the security perimeter dissolves, organisations need to be able to rapidly detect threats across on-premise and cloud systems in a rapidly expanding landscape.

The challenge facing security teams and service providers in this fast-paced world is to collect, triage investigate and respond to activity and threats in as close to real-time as possible.

Bridewell's cyber defence services unify Microsoft's leading security technology with skills and services that creates a 360 view of your attack surface to deliver a near real-time threat detection and response capability.

Microsoft Partner

Microsoft

Gold Security
Gold Cloud Platform

Why Bridewell

We believe in empowering our clients by knowledge transfer and building strong, trusted relationships.

HIGHLY ACCREDITED

One of the most accredited companies in the UK, Bridewell are trusted advisors across a variety of sectors and are certified by organisations such as the National Cyber Security Centre (NCSC) and CREST.

DEEP DETECTION & RESPONSE EXPERTISE

We combine analysts, consultants, incident responders and security developers to build effective enterprise detection and response capabilities, rated in Azure Top 20 Global Threat Hunters.

HOLISTIC DELIVERY CAPABILITY

We provide access to a multi-disciplined team of experts who have referenceable experience of delivering complex migration activities, solution architecture, design and deployment of the technologies.

AGILE, RESPONSIVE DELIVERY

We're able to deliver an enterprise service that is customer focused and built on agile principles and driving real value, seeking to drive automation, integration and deliver efficiencies where possible.

OPERATE AS AN EXTENSION OF YOUR TEAM

We aim to understand our client's business goals, culture and operating context, so that security operations can be designed to focus on the most prevalent threats and the organisation's business goals.

VAST CAPABILITY

Bridewell has a strong cyber security consultancy and penetration testing practice, which our clients can leverage to conduct purple team assessments and support their compliance requirements.

End-to-End Cyber Capability

Bridewell Consulting is a leading independent cyber security services provider with a strong reputation and credentials, with fantastic strength and references in Critical National Infrastructure and Financial Services.

Cyber Security	Managed Security	Penetration Testing	Data Privacy
Compliance Frameworks	24x7 Security Monitoring	Red Team	DPO as a Service
Cloud Security	24x7 Managed XDR Services	Web Application	GDPR Maturity Assessment
Security Architecture	Critical National Infrastructure	IoT and Industrial Control Systems	GDPR Gap Analysis
NCSC Certified Services	Active Threat Hunting	Infrastructure	Breach Response Support
PCI QSA Services	Cyber Threat Intelligence	MITRE ATT&CK Simulation	Programme Leadership
ASSURE Cyber Audits	Incident Response	Mobile Application	E-Privacy & PECR Advisory
Cyber Security Maturity	Digital Forensics	Cloud Security Assessment	Cookie Compliance Mgmt
Cyber Security Risk	Vulnerability Management	Source Code Analysis	OneTrust Implementation
ICS/SCADA Cyber Security	SOC Automation	SSDLC Advisory	E-Discovery & SAR Support
Target Operating Model	Purple Team Engagements	SecDevOps	Policy Review & Development

A Leading Cyber Security Operations Team

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As an organisation Bridewell holds leading accreditations from security bodies, making it one of the leading cyber security organisations in the world.

Gold Microsoft Partner

ISO/IEC 27001 UKAS MANAGEMENT SYSTEMS

ISO 9001 UKAS MANAGEMENT SYSTEMS

Assured Service Provider

in association with National Cyber Security Centre

CREST

VA PEN TEST

PCI Security Standards Council QUALIFIED SECURITY ASSESSOR

UK Civil Aviation Authority ASSURE

IASME CONSORTIUM

CYBER ESSENTIALS PLUS

THE OPEN GROUP SECURITY FORUM

Bridewell differentiates our service with the quality of our valued people. We attract, develop and retain some of the leading security skills in the UK, who continually improve and drive our capabilities forward. Below is a view of the skills and accreditations within our SOC alone.

GIAC CERTIFIED INCIDENT HANDLER GCIH

GIAC REVERSE ENGINEERING MALWARE GREM

GIAC NETWORK FORENSIC ANALYST GNFA

GIAC DEFENDING ADVANCED THREATS GDAT

GIAC CERTIFIED INTRUSION ANALYST GCIA

GIAC SECURITY ESSENTIALS CERTIFICATION GSEC

GIAC CONTINUOUS MONITORING CERTIFICATION GMON

CompTIA CASP+ CERTIFIED · CE

CompTIA CySA+

CREST PRACTITIONER SECURITY ANALYST CPSA

CREST REGISTERED TESTER CRT

Microsoft 365 CERTIFIED SECURITY ADMINISTRATOR ASSOCIATE

Microsoft CERTIFIED AZURE SECURITY ENGINEER ASSOCIATE

Microsoft 365 CERTIFIED FUNDAMENTALS

CISCO CERTIFIED CCNA CYBER OPS

aws CERTIFIED Cloud Practitioner

aws CERTIFIED Solutions Architect Associate

Bridewell Engagement Lifecycle

UNDERSTAND

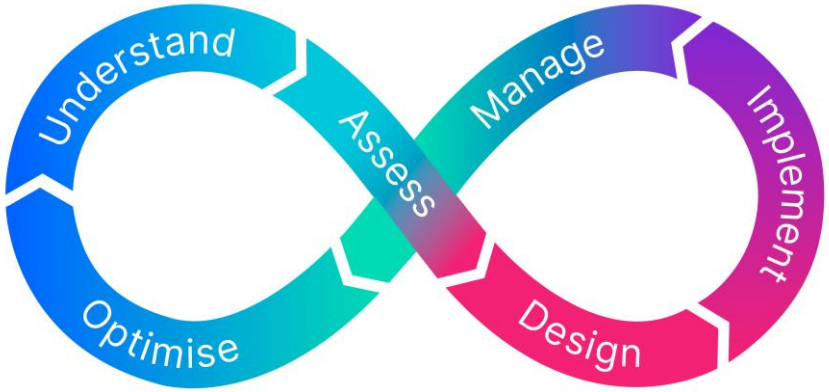
Listen and learn about the customer's business challenges, ambitions, strategic drivers, business goals, culture and desired outcomes

ASSESS

Assess the customer's current position vs a desired state to develop a roadmap for improving cyber security posture and delivering business outcomes

DESIGN

Design solutions, processes and remediation strategies that can enable our clients to implement effective cyber security capabilities and outcomes



OPTIMISE

We have a lean and agile focused approach that is seeking to evolve and optimise the services we deliver, delivering tangible business value to clients

MANAGE

Operate as an extension of our customer's cyber security team, delivering tangible, value added cyber security services on a 24x7 basis

IMPLEMENT

Vast capabilities to implement technical solutions, transformational processes, governance structures, compliance frameworks and migration projects

Unsure of where to start?

Let Bridewell simplify cyber security

No matter where you currently sit on a maturity and adoption curve, Bridewell can deliver consultancy and security managed services that drive your business forward.

Microsoft Security Workshop

Performing a **free** Microsoft Security Workshop allows us to start working collaboratively to understand your business and assess your needs ahead of the next steps across Azure Sentinel and Defender XDR.

Proof of Concept

Taking your key use cases and value points, we will rapidly deploy Azure Sentinel and Defender XDR to a pilot group for a four-week window.

At the end of the PoC, we will report the findings and have the option to scale straight into production.

Managed Detection and Response

Obtain the confidence that you're able to respond to threats 24x7 across Sentinel and Defender XDR by taking a Managed Detection and Response service, backed by Bridewell's industry leading SOC.

Managed Azure Sentinel SIEM

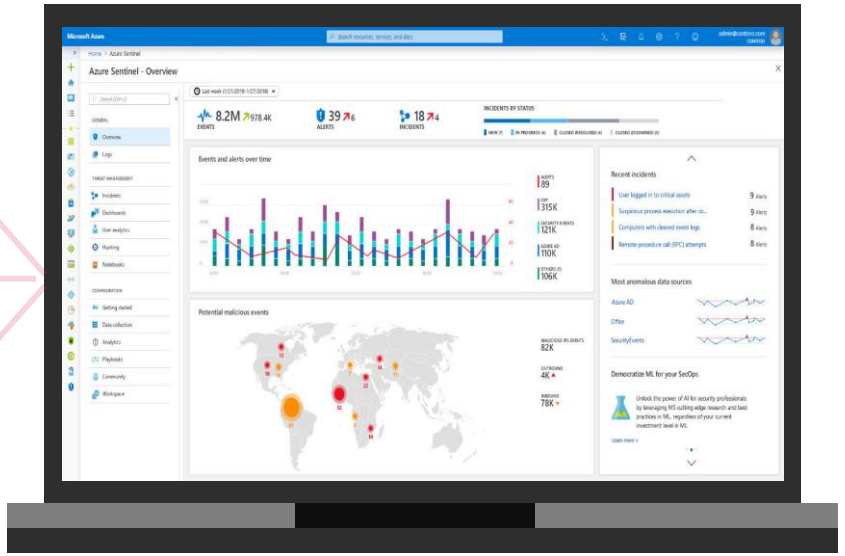
Drive visibility, management, tuning and deliver an ability to respond, 24x7 across your Azure Sentinel SIEM deployment, backed by Bridewell's industry leading SOC.

Leveraging Microsoft Sentinel

Here's why we use Microsoft's Azure Sentinel

"Sentinel offers cloud scale SIEM, intelligence security analytics and threat intelligence with integrated Security Orchestration Automation and Response, that when complimented with the Bridewell knowledge and skills, deliver a rapid return on investment and deployment timescales."

- **Integrated with a wide security portfolio**
- **Full tenant separation for data privacy**
- **Transparency of information and costs**



Proof of Concept Stages - Understand

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Kick Off Meetings

To determine the overall scope of the engagement, capture key considerations and success criteria.

1. **Product Selections –** Capture what specific Microsoft security technologies will be required to be deployed and configured for the PoC.
2. **Size of Deployment –** Agree the PoC target deployment, which could consist of users, end user devices, server infrastructure and integration into third party cloud services.
3. **Use Case Detections –** Capture areas of concerns, identified threats, utilising frameworks such as MITRE ATT&CK and review any existing use case criteria.
4. **Event and Log Sources –** Agree and capture the log sources required for the PoC to ensure the desired use case detections and success criteria can be achieved.
5. **Design & Deployment Considerations –** Provide information and guidance on any design and deployment considerations for the PoC.
6. **Access –** Provide instructions on logical access requirements to deliver the PoC and provide client with any pre-requisites needed such as confirmation of security clearance.
7. **Stakeholder Engagement –** Identify and document all key stakeholders for the PoC, their specific requirements and expectations from the PoC.
8. **Success Criteria –** Discuss and agree key milestones, timescales and success criteria that can be used to measure the effectiveness and success of the PoC.

Proof of Concept Stages - Assess

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Pre-requisites and PoC Readiness

Work with key stakeholders to ensure technical and administrative pre-requisites are in place to deploy solutions and commence the PoC effectively.

1. **Licensing –** We work directly with our clients and the Microsoft team to review existing licensing, understanding what is available and any trials are activated for the PoC.
2. **Technical Readiness –** Dependent on what tools form part of the PoC, we will ensure the necessary configuration is in place to enable a successful deployment.
3. **Use Case Review –** Assess the feasibility of all use cases captured or develop a standard set of use cases if none are made available, based around common threats.
4. **Client Processes –** Work with our clients to understand their change management processes and any internal governance process that need to be complied with.
5. **Client Resources –** We discuss and identify current resources available for the PoC, including their skill level and experience with the required deployment technologies.
6. **Enterprise Architecture –** Our consultancy team will assess and ensure that the PoC aligns with existing enterprise architecture requirements where applicable.
7. **Future Roadmap –** Our delivery team will assess existing security posture and document any improvements that could be made, beyond the duration or outside the scope of the PoC.
8. **Compliance –** We will assess whether there are any existing or future compliance requirements that need to be met and ensure this is adhered to as part of the PoC.

Proof of Concept Stages - Design

Designing critical success factors of the PoC and for client approval

The Bridewell team of consultants, security analysts and developers will design use cases and key technical requirements.

1. **Delivery Plan –** A documented delivery plan is designed to provide direction to technical and business stakeholders during the PoC.

2. **Change Documentation –** Our assigned delivery team will develop the required change management documentation to ensure products can successfully be deployed for the PoC.

3. **Use Case Detection Rules –** Using advanced Kusto Query Language (KQL), our team of security analysts and developers will create and implement the required use case detections.

4. **Integration Capabilities –** We often integrate the Microsoft security stack into third party service management solutions and ingest log sources from applications such as Salesforce and Amazon Web Services to unify visibility and detection capabilities.

5. **Automation & Improved UX –** Any agreed automation or additional requirements to improve user experience, such as leveraging Logic Apps and Power Automate will be designed.

6. **Process Design –** We work with clients to design processes around incident detection, response, management and escalation during the PoC.

7. **Custom Reporting –** We leverage API's, Power BI and KQL to deliver custom reporting requirements where required, enabling insight into data produced by Sentinel and other security technologies.

Proof of Concept Stages - Implement

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Implementation and enablement of Microsoft's security solutions

Responsible for technical implementation or oversight of the implementation to ensure a successful start to the PoC.

1. **Service Enablement –** We commence the enablement and configuration of key technologies such as Azure Sentinel & Microsoft Cloud App Security.

2. **Deploy Technologies –** If products such as Defender for Endpoint form part of the PoC, we will either deploy software directly or support client technical teams with deployment.

3. **Use Case Detections –** Implement the developed use case detection rules to identify the most pertinent threats and achieve the PoC criteria.

4. **Remedial Actions –** Certain products such as Defender for endpoint may require technical remediation such as as removing support for insecure protocols e.g. SSL and TLS 1.0.

5. **Approved Integrations –** Work with technical and business stakeholders to implement any identified integrations into third party cloud systems.

6. **Automation –** Any approved areas of automation as part of the PoC will be implemented by our delivery team to demonstrate the SOAR capability of Azure Sentinel.

7. **Agreed Processes –** Processes for handling alerts, incident management, response and escalation are implemented, following approval of design activity.

8. **Project Delivery –** We deliver an agile and responsive service model and will implement a series of short stand-up sessions and delivery updates through the duration of the PoC.

Proof of Concept Stages – Manage

Management of Azure Sentinel and Microsoft security technologies during the PoC

Collaborative working with key stakeholders to analyse alerts and incidents from Azure Sentinel and wider product set.

1. **Azure Sentinel –** We assign a 9 to 5 team to manage the alerts and incidents within Azure Sentinel, informing the client if anything critical is identified during the PoC.

2. **Microsoft Security Technologies –** Bridewell will manage the alerts and outputs from all security technologies within the PoC, which differs dependent on client requirements.

3. **Use Case Review –** Use cases that trigger during the PoC will be analysed and collated by our team and used to demonstrate the value of the technology utilised in the PoC.

4. **Delivery Plan –** A project lead will provide weekly updates on progress of the PoC and be available to deal with any queries or requests during the PoC.

5. **PoC Success –** Bridewell take ownership of the PoC and ensure all data is captured to deliver the defined success criteria and presentation of results.

6. **PoC Incident Management –** Bridewell will manage alerts and incidents in accordance with agreed incident management procedures within the scope of the PoC, ensuring any critical issues are dealt with promptly.

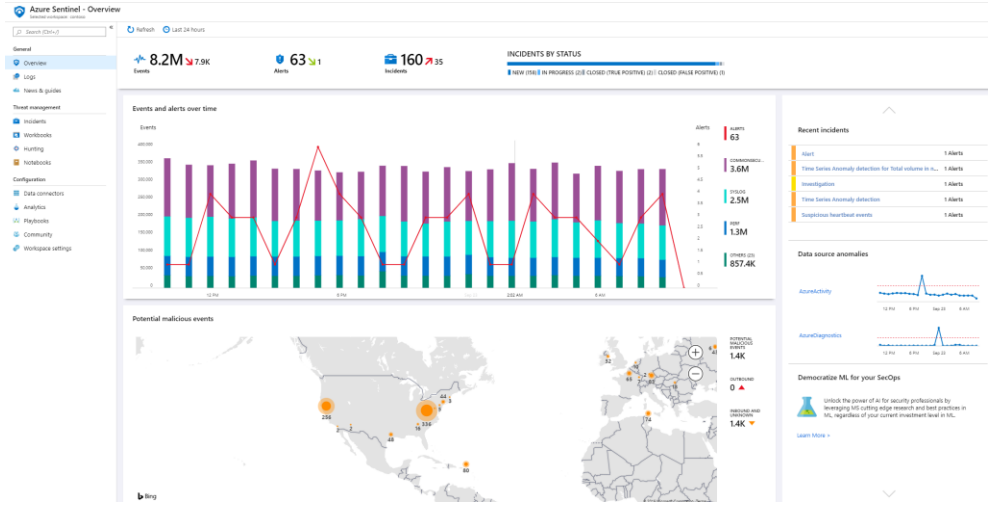
Proof of Concept Stages - Present

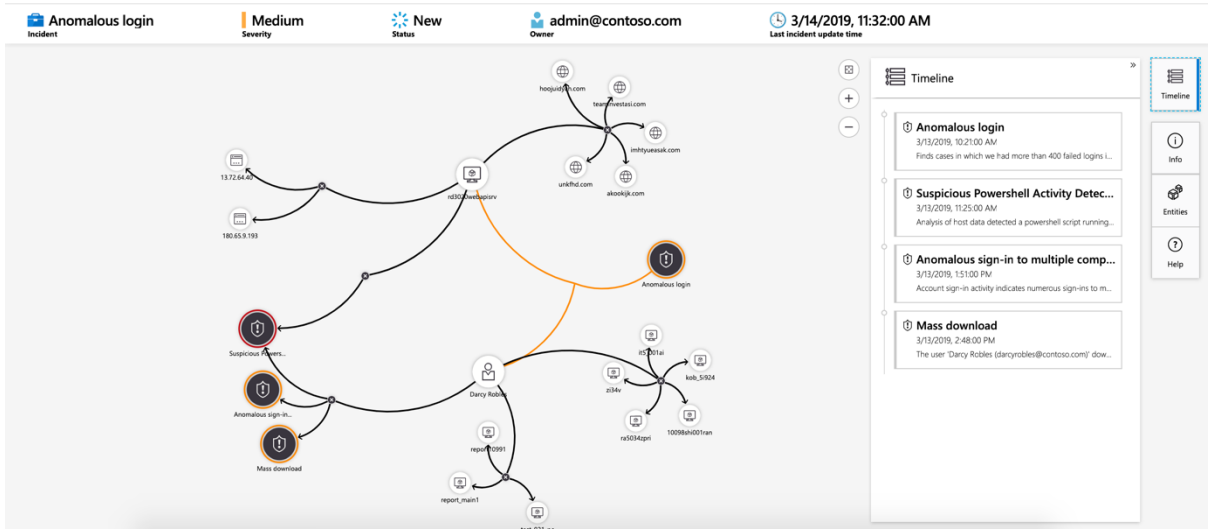
PoC Executive Presentation

The outcomes of the PoC are presented to key stakeholders across the organisation in addition to Q&A.

Presentation Areas

- Executive Summary
- Success Criteria
- PoC Recommendations
- *Deployment Evaluation
  - Azure Sentinel Visibility & Results
  - Defender XDR Visibility & Results
- Use Case Validation





*Includes all pertinent products used in the PoC

**During a PoC, Bridewell's Optimise stage is replaced with Presentation, due to the nature of the engagement.*

Proof of Concept Stages - Timeline

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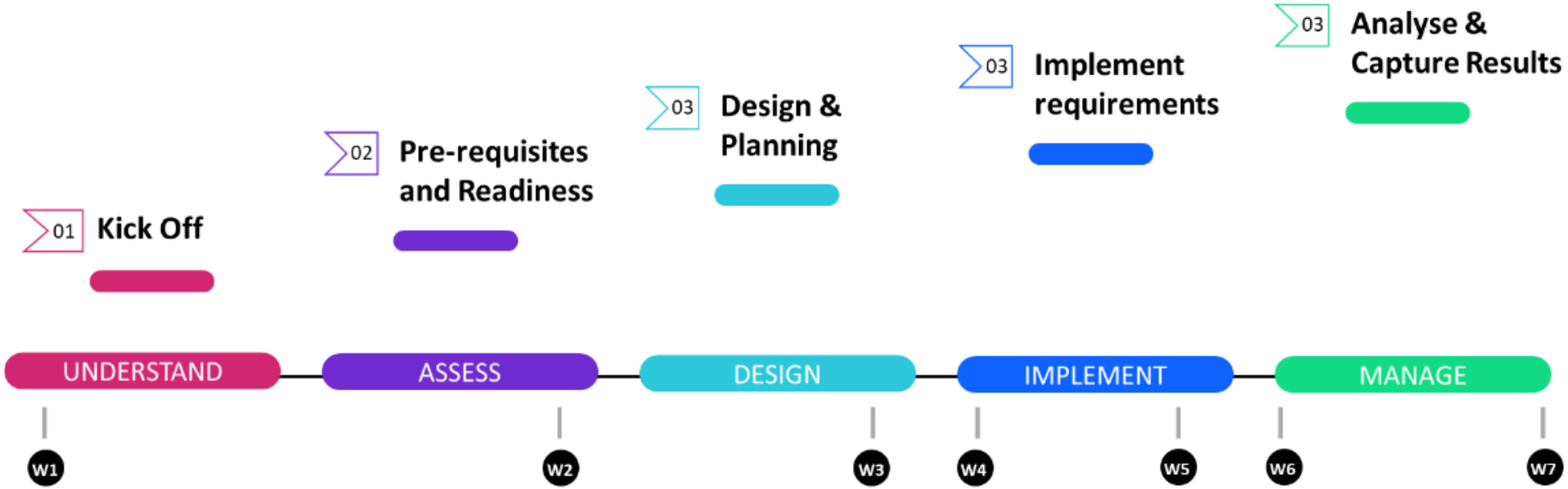
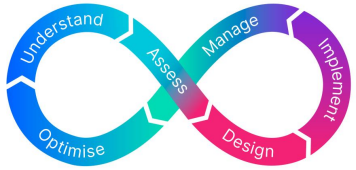
PoC Mission

*The aim of Bridewell's PoC is to provide a **comprehensive insight into the capabilities of Microsoft's enterprise security solutions**, so that informed decisions can be made on the future technology roadmap. We also aim to demonstrate **Bridewell's 24x7 managed detection and response** capabilities and **customer focused** approach, so that existing and future clients can experience the **added value we provide** to enhance and **maximise the technology**.*



PoC Presentation



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