

Design Engineering & Architecture

DEV/NULL



Design and Build

Implementing robust security engineering and architecture from the start

Modern digital ecosystems are distributed, fast-moving, and increasingly complex, making intentional design and real-time insight essential to reliable operations. Our Design, Engineering & Architecture approach embeds resilience, visibility, and scalability into the foundation of enterprise technology. By aligning architecture, engineering practices, and observability capabilities, we ensure that systems are built to be transparent, adaptable, and robust from the start. The result: clearer insights, faster decisions, stronger governance, and a technology environment engineered for continuous improvement and sustainable growth.

More detail

Our Design, Engineering & Architecture service spans the full lifecycle of secure and resilient technology design, from establishing architectural principles to engineering integrated controls, all aligned with industry standards to ensure scalable, consistent, and future-ready enterprise operations:

- Enterprise Security Architecture development aligned to business strategy, regulatory obligations, and technology roadmaps.
- Design of secure infrastructure, cloud, application, and data architectures, incorporating zero-trust, defence-in-depth, and modern integration patterns.
- Creation of reference architectures, reusable design patterns, and control frameworks to drive standardisation and reduce design effort across teams.
- Embedding security and resilience into engineering practices.
- Risk-driven design support, incorporating threat modelling, attack surface analysis, secure configuration baselines, and prioritised recommendations.
- Establishment of governance mechanisms such as architecture principles, design review boards, technical standards, and continuous compliance models.
- Assessment and design guidance for emerging technologies including AI, IoT, edge, and multi-cloud platforms, ensuring privacy, resilience, and assurance are built in.

Dev/Null will build a strategic and consistent foundation that strengthens resilience, reduces risk, and accelerates secure technology adoption across your enterprise.

Benefits

This service is particularly beneficial for organisations who want:

- A stronger alignment between security strategy, enterprise architecture, and technology delivery.
- Security that is consistently applied to projects.
- Clear architectural standards, patterns, or reference designs to guide secure technology adoption.
- To clearly translate regulatory, risk, or assurance requirements into actionable technical designs.
- Greater confidence that cloud, application, and data platforms are built securely by default.
- Governance structures, such as design reviews or control baselines, to ensure consistent, enterprise-wide security outcomes.

What's included in the Dev/Null service?



Information Analysis:

Gather business objectives, risk appetite, technology landscape, and regulatory requirements.
Collaboratively establish priority domains (e.g., cloud, data, identity, application, infrastructure), key risks, and required architectural outcomes to guide the engagement.



Review & Assess:

Review existing architecture, engineering processes, security controls, design documentation, and technical standards to identify gaps, inconsistencies, and improvement opportunities.
Assess organisational maturity.



Architecture & Design Blueprint:

Map architecture and engineering decisions to recognised frameworks such as NIST CSF, ISO 27001, and CIS Controls.
Ensure designs consistently meet compliance and audit expectations across the enterprise.
Develop enterprise architecture principles, conceptual models, reference patterns, and governance structures
Define target-state enterprise, cloud, application, and data architectures, security controls, and integration guidelines.



Build:

Implement design and assist internal delivery teams with interpreting designs, integrating security controls, and applying architecture standards.
Embed secure-by-design practices into engineering workflows.



Secure Engineering Enablement:

Conduct threat modelling, attack surface reviews, and control mapping to ensure designs address real-world risks and align with organisational risk appetite.
Establish or enhance architecture review boards, design assurance processes, control frameworks, and alignment with standards such as NIST CSF, ISO 27001, and CIS Controls.



Handover:

Provide workshops, design walkthroughs, and documentation handover to ensure teams can sustain and evolve the architecture independently.
Offer ongoing advisory, design review, and architectural governance support to help maintain consistency and adapt to evolving business and technology changes.

Why Dev/Null?



Responsive:

We stay flexible and adapt to your priorities, whether that means shifting focus within a project or responding to an emerging threat to provide the best security for you. Our fast-turnaround, communication, and flexible engagement models keep you moving forward without delays.



Established:

Our team brings deep operational experience developed across a broad range of industries and security domains, backed by proven industry and vendor certifications, and a portfolio of real-world successes. That depth of knowledge lets us solve complex problems with confidence and speed.



Evolving:

Continuous learning is at the core of our culture: we routinely assess, refine, and re-engineer our processes, tools, and skills to stay ahead of the threat landscape. This mindset translates into more effective, efficient, and resilient solutions for you.



Enabling:

Beyond delivering services, we actively coach your staff, sharing best practices, conducting workshops, and providing hands-on training to mature your capability. The result is an empowered internal team that can sustain and expand the gains we deliver.



Sustainable:

We design security architectures and practices that endure, focusing on long-term resilience rather than quick fixes. By embedding best practices, automating controls, and aligning with your business roadmap, we foster a culture of continuous improvement.



Actionable:

Complex cybersecurity concepts are distilled into plain language, ensuring every stakeholder, from executives to engineers, understands the risks, options, and recommended actions. This clarity drives informed decisions and smooth collaboration across your organisation.

Choose Dev/Null

Choosing the right partner to design and implement your Engineering and Architecture is crucial. At Dev/Null, we combine cutting-edge methodologies with decades of collective cybersecurity experience to deliver comprehensive designs tailored to your organisation's needs. Our team brings expertise from diverse industries across all aspects of security operations - from detection and response to cyber threat intelligence and technical operations. We leverage our deep understanding of industry best practices, combined with hands-on operational experience, to provide actionable insights that drive real improvement in your security posture.

Book a conversation with one of our consultants to explore how our Design and Build, Engineering & Architecture services can help you

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