



Solutions Brief

Infrastructure Services

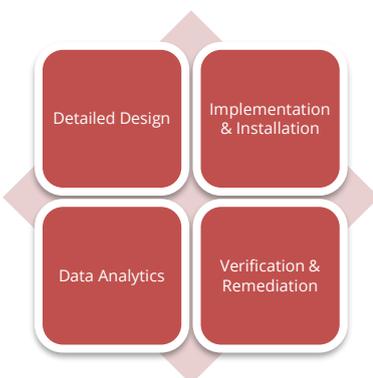
In small, medium, and large enterprises alike the network has become increasingly complex and, in some cases, difficult to manage and scale. Some primary challenges include the adoption of cloud services, security, IoT and new technologies whilst experiencing vendor sprawl. Successfully migrating to new digital platforms and keeping up with security measures means it is paramount that the underlying network, cloud and security infrastructure are designed and implemented appropriately.

Our approach to design and implementation services for IT infrastructure is centered around clearly understanding the scope and the technical requirements of the project. We work with the customer's allocated team and respective stakeholders to ensure that the outcomes required are achievable.

Scope - Design - Implement - Remediate

Whilst we operate vendor agnostic to ensure we keep an open mind in providing the customer with the best solution, our extensive knowledge and experience with specific vendors is extremely important when carrying out design and implementation services. We balance matching our skills with mainstream technologies customers currently use, with the new technologies making their way into upgraded environments and make a significant investment into training and certification.

Professional Services Suite



With a wide range of skills, certifications and subject matter expertise, we have multi-domain capabilities across network, cloud and security infrastructure including Route, Switch, Wireless, Data Centre, NGFW, SD-WAN, Load Balancing, VPN and Security technologies across a range of vendors. Common projects include network segmentation, security hardening, configuration reviews, advanced trouble shooting and remediation for ICT and OT environments.

We focus on three main areas across both traditional IT and OT environments:

1. **Enterprise Networks** including network, security and cloud infrastructure
2. **Smart & Connected Networks** such as retail, manufacturing and utilities
3. **Industrial IT Networks** for Operational Technology, SCADA and critical infrastructure

Contact RIOT Solutions:

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It's time to be **Smart. Connected. Secure.**

Detailed Design Services

A consistent approach across different technologies to ensure a thorough design process

Through a collaborative scoping process, a RIoT Solutions Infrastructure Consultant will expand upon a specific area of Technical Architecture or High-Level Design to provide the required configuration parameters for the design and implementation of a specific solution.

Technical information of the environment as it relates to the project will be gathered and documented, identifying impacts and risks which could be encountered during implementation. High level milestones are incorporated to meet the customers timeframes and deadlines.

Implementation & Installation Services

Experience is key to the successful execution of complex integration and upgrade projects

When implementing infrastructure for enterprise, smart and connected network designs, or integrating elements for use on critical infrastructure, it is important to have a team of experienced and qualified resources that you can trust to achieve the desired outcome.

RIoT Solutions engineers and consultants are highly skilled, motivated and dependable people that pride themselves on overall excellence on every project they are involved in. We utilise a proven structured, yet flexible approach to work toward success that covers all phases of implementation and integration from planning to deployment and support including handover to operations.

Infrastructure and Security Data Analytics

Visualise what's happening on your network to make informed decisions

Providing big data analytics platforms for IT and OT operations for network, security, and critical assets provides significant value in determining what's happening on the network and improving your response to security incidents. Our team designs, builds and integrates Splunk and logging platforms to a wide range of devices, systems and applications to gain insight and visibility.

Verification & Remediation

Expertise from subject matter experts when you really need it

RIoT Solutions can provide an expert resource with the necessary experience and capability for a specific technology or discipline, to provide remediation, advanced problem solving, diagnostics and advice across both IT and OT environments. Our team has experience remediating against industry standards and frameworks and, assisting organisations gain compliance safely, practically and within expedited timeframes.

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Why choose RIoT Solutions

The RIoT-X-Factor

Our people; a hand-picked assembly of experts addressing the design challenges faced by your organisation

As experts at Securely Connecting Everything™ and with our wealth of enterprise ICT and industrial knowledge, RIoT Solutions is in a unique position to understand the challenges and requirements of designing and securing smart and connected networks. We hire self-motivated, responsible and trustworthy staff carrying a 'can-do' attitude and a high level of emotional intelligence to complement their wealth of technical expertise.

Our engineers and consultants have attained multiple levels of industry certifications (CCIE, CCDA, CCDP, CCNP, CCSA, CISSP) and have attended a diverse range of focused training courses and conferences. We have provided infrastructure design and implementation services to many Australian enterprise and Government organisation's including those that operate and/or build critical infrastructure systems. Using validated industrial IP network design principles, our consultants and engineers apply their skills to various networking projects covering Industrial Control Systems (ICS) including SCADA, manufacturing, building automation and intelligent transport.

We also encourage the cross-skilling of resources between network and security infrastructure disciplines. This provides customers consistency across the different technologies that generally make up network environments these days and support our ideology of security being baked in to every design process.

In addition, at any time, we can hand-pick a multi-disciplined team of skilled experts to join forces and resolve a specific challenge or requirement – known as the RIoT-X Team. A RIoT-X engagement will expand your access to subject matter experts in many different fields and technologies, providing additional and local insight and experience unlike any other team – a true X factor.

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Services Matrix

| | Detailed Design | Implementation & Installation | Data Analytics | Verification & Remediation |
|----------------------------------|--|--|---|---|
| Services | <ul style="list-style-type: none"> Workshops High Level Design Reviews Detailed Design Documentation | <ul style="list-style-type: none"> Planning and change control User Acceptance Testing and staging Implementation, cutover and post cutover support Hands and feet | <ul style="list-style-type: none"> Data discovery workshops Log gap analysis Security analysis strategies/play books | <ul style="list-style-type: none"> Diagnosis and investigation into complex problems Remediation of faults, configuration and compliance requirements |
| Capabilities | <ul style="list-style-type: none"> LAN/WAN/WLAN Routing and Switching Security I/F Data Centre Cloud SIEM/Playbooks | <ul style="list-style-type: none"> LAN/WAN/WLAN Routing and Switching Security I/F Data Centre Cloud SIEM | <ul style="list-style-type: none"> Splunk SIEM Distributed big data architectures IT/OT data analytics Performance improvement | <ul style="list-style-type: none"> Access to subject-matter-experts in the event of a system failure Verification of detailed design against production Compliance awareness |
| Key Benefits | <ul style="list-style-type: none"> Organisation requirements thoroughly considered Architectural decisions and technical parameters documented Documentation to support compliance requirements | <ul style="list-style-type: none"> Pre-staging and infrastructure configuration Implementation plan detailing cutover/roll out and rollback steps Post implementation functional testing Updated detailed documentation of system baselines and configuration As-built handover documentation | <ul style="list-style-type: none"> Identification of required data to meet organisations requirements Practical enablement to respond to security threats Effective productive use of big data sources | <ul style="list-style-type: none"> Fast local access to skilled resources Independent evaluation & recommendations Assistance with reporting and presentation to key stakeholders Compliance and risk remediation |
| STANDARD INCLUSIONS & FEATURES | | | | |
| Requirements Workshops | ✓ | ✓ | ✓ | ✓ |
| Onsite and remote access | ✓ | ✓ | ✓ | ✓ |
| Detailed Documentation | ✓ | ✓ | ✓ | ✓ |
| Operational Handover | ✓ | ✓ | ✓ | ✓ |
| Fixed Price Scopes | ✓ | ✓ | ✓ | ✓ |
| Pre-paid draw down | ✓ | ✓ | ✓ | ✓ |
| ICS/SCADA/IIoT/BMS | ✓ | ✓ | ✓ | ✓ |
| Critical on-call Response | N/A | Available, fees apply | N/A | Available, fees apply |

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Certifications:

Cisco CCIE (x3), CCNA, CCNP, CCDA, CMNA, CINS, ISE, Cisco IoT | Fortinet NSE3, NSE4, NSE7 | f5 101, 201 | SPLUNK Certified Architect | Check Point CCSA | Aruba ClearPass ACCP, ACMP | Palo Alto ACE | Trend Micro Deep Security | Carbon Black DA, PA | Offensive Security Certified Expert (OSCE) | Offensive Security Certified Professional (OSCP) | Offensive Security Wireless professional (OSWP) | Certified Information Systems Security Professional (CISSP) |