

Amdocs Private Network solution

Streamlining the deployment and operation of private networks, while accelerating time to market and delivering an improved customer experience

As the needs and connectivity challenges of communications & media service providers related to coverage, capacity, reliability and control evolve, they're demanding new communication capabilities that go beyond those enabled by traditional public networks. Private networks enable service providers to monetize their network investments by creating additional revenue streams from existing enterprise customers, but the deployment of a private network is an intricate process that demands a broad range of skill sets, network components and technologies.

"99% of enterprises build more capabilities on top of their private network".

- Omdia

Amdocs Private Networks Offering

Amdocs addresses this challenge by providing end-to-end accountability across all building blocks of a private network. This includes the RAN, core, security and applications, combined with services for deployment and operations. Our value begins from the outset, when we apply our skills and experience to discover the enterprise's business objectives and then design the best solutions to achieve them. This includes maximizing ROI by choosing the optimal network equipment and vendor solutions to address everything from the initial requirements to the long-term vision.

Our robust network products are complemented by our vast partner ecosystem, comprising industry-leading providers, start-ups and solution designers who are familiar with a wide range of use cases and experienced in cloud, edge, network spectrum and security. We also determine the best way to manage sensitive data – be it on premise or the cloud – and the requirements to support the path selected.

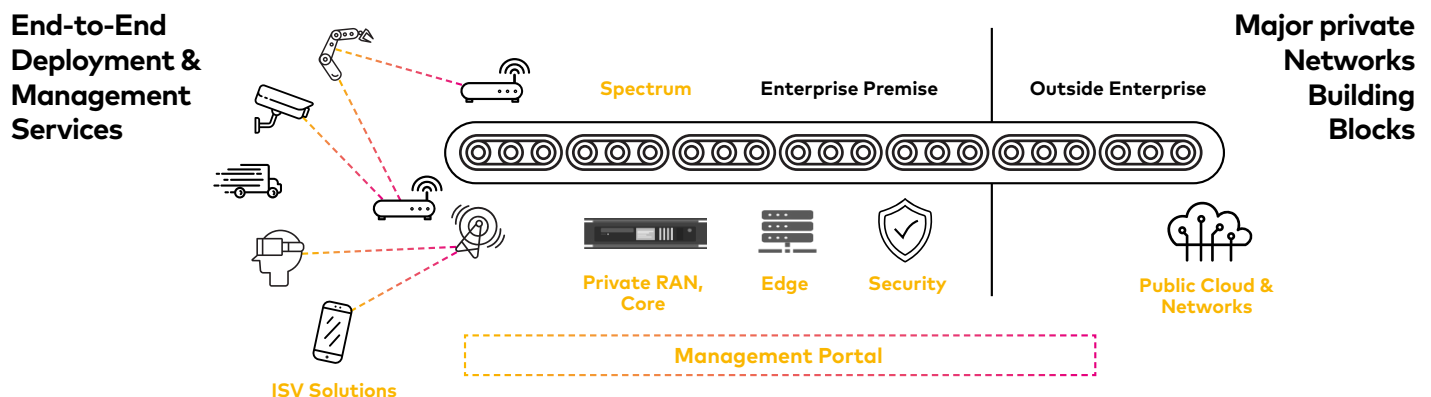


Figure 1: Building blocks for a Private Network deployment

Solution ecosystem

- **Network Equipment:** RAN, core and user equipment
- **Application and ISV:** ISV solutions, such as AR/VR and asset tracking systems
- **Edge solution:** For customer-premise or remote data storage and processing
- **Security:** End-to-end protection against external attacks
- **Major hyperscalers:** Infrastructure and cloud solutions to support solutions deployed on the private network

Our services span business planning and network design to network and service operations. Complemented by our deployment workflow automation and private network management console, this allows us to provide comprehensive management capabilities for effective network operations.

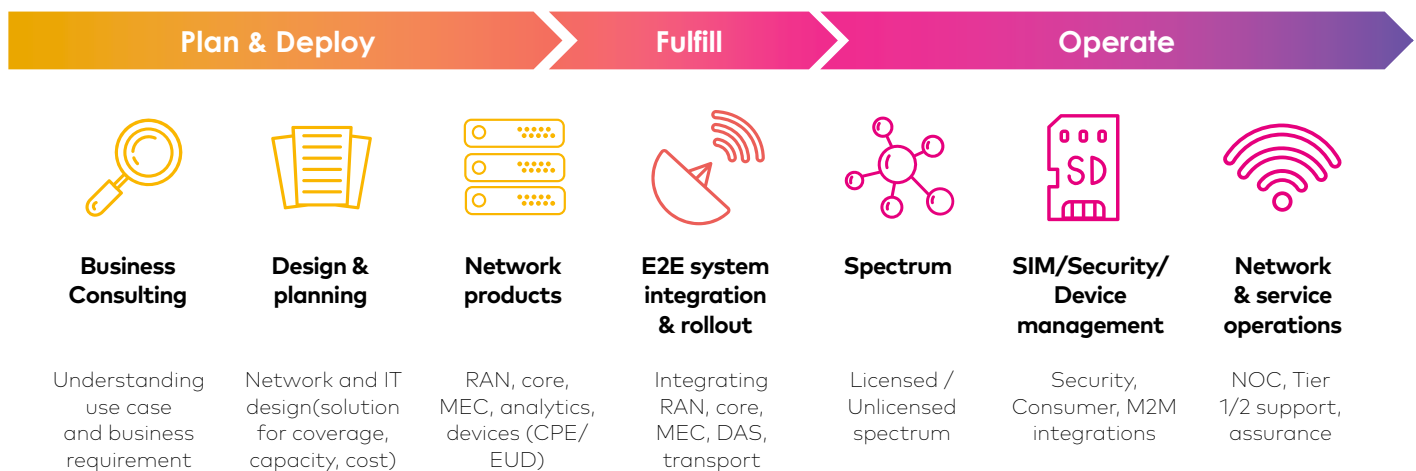


Figure 2: End-to-end network and system integration services for planning, deploying and operating a private network with overall accountability

Amdocs Network & System Integration services

- **Industry vertical consultation and business planning:** Leverages Amdocs expertise in specific industry verticals combined with an understanding of the enterprise's business goals to determine the appropriate private network solution and technical requirements
- **Network planning and design:** Use case investigation and analysis, requirement specification and evaluation, selection of wireless network technologies and solutions
- **Network deployment:** End-to-end engineering services covering planning, design, integration and optimization of components across RAN and core domains, as well as software-powered automation for faster and more efficient rollouts
- **Systems integration:** Ensures all applications, IT environments, security components, network components, devices and management capabilities are connected and working seamlessly together, while ensuring the overall network and service meets technical and business requirements
- **Solution management:** Full portfolio of network management solutions, including network assurance, NOC operations, triage and SLA management – all based on advanced network monitoring and analytics tools
- **Spectrum management:** Helps navigate spectrum options (dedicated, shared, rented) and choose the right RAN vendor to support specific bands

Software and automation platforms

- **End-user device management:** Comprehensive cloud management of end-user and M2M devices, supporting activation, error handling/remediation, profile inventory and system health management
- **Deployment and operations platforms:** Automated solution management and support for enterprises and vendors for day-to-day activities
- **CBRS spectrum access system (SAS):** FCC-approved vendor for 3.5Ghz, providing capabilities such as radio frequency channel allocation and interference protection (US only)

Why Amdocs

Amdocs leverages a deep understanding of existing capabilities and strategies to create tailored solutions that combine our own assets with those of the service providers' enterprise customers. Our holistic solution design approach considers enterprise requirements, use case, future vision, as well as the degree to which the enterprise wishes to manage their own network operations.

Leveraging our vendor experience, flexible solution blueprints and private network deployment experience, we provide a single point of accountability for committed SLAs, while minimizing risks associated with private network implementations. Meanwhile, our global delivery and support organization – spanning RAN, core, cloud, IT, system integration, transport, security and software domains – enables us to manage all the complexities of an end-to-end private network solution.

With our combination of deployment and automation, private network management console and AI-enabled operations services, we lead the industry in enhancing the customer experience, while improving overall operational efficiencies.

Learn more

To discover how Amdocs' Private Network solutions can help your enterprise customers, reach out to networkmarketing@amdocs.com