



BRIEF

NETWORK DESIGN AND IMPLEMENTATION

Driving your network from current-state to ideal-state.

Our Approach

Myriad approaches networks holistically as distributed systems, not as a disparate collection of parts. Secondly, we believe that these systems should be designed with automation, analytics, security, and scalability in mind. Most importantly, we take a strictly vendor agnostic approach to Network Design Services; we are opinionated yet open-minded.

Myriad's Network Design Services approach starts with identifying and interviewing all key stakeholders and constituencies. This includes organizational leadership and personnel involved in the design process, staff responsible for implementation and operation of the system, and the end-users of the proposed design. During this process, we create a comprehensive stakeholder registry, which documents who we will communicate with and what they are interested in, as well as how frequently and through which medium that communication should take place.

Organizational Visibility

In our experience, IT teams are often divided into technological silos. Throughout the design process, one of our primary focuses is to bridge communication across these groups. Since the network is affected by and has effect on all other aspects of IT infrastructure, we find it crucial to ensure that every group who relies on or is responsible for any aspect of the network is involved in the design process. Working across organizational boundaries is therefore integral to our approach to design.

Myriad staff will also take time to survey the existing network in as great a detail as possible, and we will interview client personnel responsible for operating the current network. Network assessments will be conducted in real time on-site as well as remotely through the review of your current design and configuration documents.

Designing Your Tailored Network

The result of these investigations is a thorough understanding and documentation of requirements, objectives, and constraints (ROCs).

These ROCs will then be reviewed against our deep understanding of industry best practices, currently stable products, and cutting-edge technologies to produce design options. After determining a set of appropriate design iterations leveraged from brainstorming sessions, Myriad will then test said iterations against client ROCs. In this way, we can collaboratively discover the best suited designs to create a perfect fit.

A Full Bench Approach

Another key aspect of the Myriad approach to design is our inclusion of subject matter experts throughout the process. The principal architect driving this design project will be orchestrating a team of solution architects with specific domain knowledge in networking, security, systems, mobility, and other areas at every inflection point during the process. In addition to our in-house expertise, we will utilize vendor-specific and technology-specific experts for input and review before final recommendations are provided. This full bench approach leverages specific subject matter expertise to ensure that final designs have been fully vetted to meet the stated ROCs while maintaining the efficiency and agility of a single lead designer.

The Network Design Process:

1. **Phase I: Initiation**

- Develop Project Charter
- Identify Stakeholders

2. **Phase II: Planning**

- Develop Project Management Plan
- Collect Requirements and Define Scope
- Plan Scope, Schedule, Cost, Communication, and Risk
- Develop Work Breakdown Structure

3. **Phase III: Execution**

- Define ROCs
- Define Options
- Narrow Options
- High-Level Designs
- Low-Level Designs and Deliverables

4. **Phase IV: Monitoring and Controlling (duration of project)**

- Control Scope, Schedule, Cost, Communication, and Risk

5. **Phase V: Closing**

- Project Closure Acceptance
- Training and Onboarding
- Lessons Learned

From Fulfillment to Success

The best designed network system in the world would be valueless without successful implementation. At Myriad, we'll work closely with you and your team through the full lifecycle of consultation, design, fulfillment, and implementation. The consultative design process outlined above will have several outputs, typically including the network diagrams, bills of material (BoM), and statements of work (SoW) required to implement the final design.

Connecting the Dots

At this stage, our Cloud and Network Services team will jump in to ensure that all the needed circuits, collocation space, and other third-party services are ordered and ready when they are needed. Simultaneously, our purchasing and global logistics teams will work together to get the right hardware and software to the right places at the right times. To date, Myriad has supplied equipment to over 140 countries around the globe.

Expert Execution

When implementing a new or updated design, talented people are just as vital as any hardware, software, circuit, or service. Myriad brings a deep bench of expert-level Professional Service Engineers (PSEs) and a wide array of partners to bear during the integration, configuration, installation, and testing of new equipment and services. Our PSEs will execute the required work (SoWs) identified in the design process under the direction of the same dedicated principal architect and project manager you've worked with all along. While implementation plans are as varied as the organizational ROCs that informed the design, Myriad offers a consistent client experience across all projects, large or small.

Network System Implementation

Process:

1. Phase: Initiation

- Milestone: Device Procurement
- Milestone: Circuit Procurement

2. Phase: Planning

- Milestone: Kick-Off
- Milestone: BoM Verification
- Milestone: Network Design and Configuration Review
- Milestone: Acceptance Test Plan (ATP) and Cutover Method of Procedure (MoP)
- Milestone: Phase Closure Approval

3. Phase: Execution

- Milestone: Configuration
- Milestone: Shipping & Logistics
- Milestone: On-Site Installation
- Milestone: Cutover
- Milestone: Phase Closure Approval

4. Phase: Monitoring and Controlling (duration of project)

- Milestone: Control Scope, Schedule, Cost, Communication, and Risk

5. Phase: Closing

- Milestone: Documentation and Review
- Milestone: Sign-Off and Survey
- Milestone: Lessons Learned

The Road Ahead

As part of our commitment to our clients, we provide optional health check services at 3, 6, and 12 months at no additional charge to our clients. During this process, the same team that worked to design and implement your network will ensure everything is running smoothly and as intended. We stand by our work and, more importantly, our clients.

Serving your organization as technical leader can be challenging in today's rapidly changing techscape. Networks are the most fundamental layer of IT infrastructure and that's not changing. What is changing are the demands placed upon that infrastructure, as well as the people who deploy and operate it. Reconciling priorities between modernizing legacy IT solutions while adopting and adapting cutting-edge technologies into your existing network can be nothing short of overwhelming. At Myriad, our goal is to equip you with the right technology, expertise, and support to enable the agility, flexibility, feature velocity and cost control required both today and in the future.