NETWORK AUTOMATION SERVICE
Improving time to deploy, consistency and operational efficiency.
Automation first is happening across all infrastructure as an integral method of achieving Digital Transformation. To maximise the benefit of automation, it needs to be applied across technologies and focussed on achieving business benefits.

Taking advantage of network automation advancements can have a material impact on overall automation achievements and will ensure that network services are available to the business quickly and efficiently.

Distributed applications and multi-cloud environments are increasingly the norm for Enterprise customers. Network Automation is an important factor in ensuring performance, stability and security of applications in a distributed infrastructure whilst simplifying operations to ensure effectiveness.

A wide variety of specific challenges can affect the business, user experience and perception of networking in general:

- Secure onboarding of new users, devices and services.
- Repetitive, manual administration tasks increase the risk of failure.
- Integration of new technology is increasingly complex.
- Prioritisation between focus on technical advancement, business objectives and benefits realisation.
- Having the skills to keep pace with the advancement of technology.
- Scaling of data, services and capacity to meet ever increasing demands.
- Visibility and control of network performance, failure and security.
NETWORK AUTOMATION IS AN IMPORTANT FACTOR IN ENSURING PERFORMANCE, STABILITY AND SECURITY OF APPLICATIONS IN A DISTRIBUTED INFRASTRUCTURE WHILST SIMPLIFYING OPERATIONS TO ENSURE EFFECTIVENESS.
Network Automation enables you to meet business outcomes using technologies to increase agility, stability, consistency, and efficiency in the deployment and operation of networking and security.

Without automation in the network, Enterprises struggle to gain maximum benefits of software defined network infrastructure such as Time-to-Deploy, Rapid Data Center Deployment or efficiency and resilience in network operations.

Our service consists of 10 sequenced modules but can be executed flexibly, depending on the customer’s specific situation.

Our end-to-end Network Automation offering guides you step by step through assessing the current state, defining what is possible with current technology, and identifying trends and innovations leading to an automation roadmap and proof of value as well as implementation and migration.
THE VALUE OF NETWORK AUTOMATION

HELPING LEADERS DRIVE STRATEGIC GOALS AND OUTCOMES
Automation reduces time and effort to deploy and operate, maximising use of critical resources and increasing agility and responsiveness to change. The benefits of your modern infrastructure cannot be fully achieved without applying automation.

ENABLING OPERATIONAL HEADS
Applying automation to repetitive, manual tasks increases the level of standardisation, in turn increasing compliance and service quality as well as enabling key resources to focus on more complex aspects of network operation. Automation of error responses and productive administration tasks increase operational efficiency and in turn potentially reduce costs. Finally, automation is at the core of modern infrastructure, making it an essential way for operational teams to maximise the benefits of those innovations for your operational teams.

EMPOWERING TECHNOLOGY EXPERTS
Automating repetitive or operational tasks and reducing human error can significantly reduce administrative overhead and release critical resources for more in-depth technical or strategic, business focused tasks. Your technical experts can focus more on ensuring that technology investments and innovations deliver business value.

ADVANTAGES OF NETWORK AUTOMATION

SPEED OF CHANGE
Automation materially increases speed in making changes to the network, whether that is in making volumes of change more quickly or in making complex change quickly and consistently.

CONSISTENCY
Automation based on governed standards ensures that changes are applied consistently whether applied to one device or multiple devices across distributed infrastructures.

REDUCE HUMAN ERROR
Automation applies tried and tested workflows repeatedly in place of manual activity, both for making and testing of changes, potentially reducing the number of errors to zero.
HOW TO SUCCEED WITH COMPUTACENTER

Our flexible approach
We operate across a wide range of vendors and technologies with an extensive partner network. We’re able to customise and tailor our approach to apply network automations according to customer aspirations and requirements.

Strong SDN portfolio
Our long-standing experience in Software Defined Networking (SDN) technologies across our business portfolio can help support you from conceptual design all the way through to operational delivery.

Testing before implementing
All solutions can be tested in our own solution centers across the UK, Germany, and France.

Working closely with our partners
Computacenter has an extensive global partner network, based on many years of successful partnership. Our breadth of expertise and experience of vendors and their products means we’re ideally placed to ensure we advise, source and deploy the best technology for your needs.

Knowing what and when to automate
Our experience and approach to network automation spans all areas of delivery. Our smart-start approach helps you achieve your automation aspirations step by step.
**OUR PROVEN EXPERIENCE**

**ticketmaster®**

Ticketmaster needed to deliver new services quickly and efficiently to stay ahead of the competition.

**What we did:**
- Conceptual Design and future state advisory for all technology in Data Center, Campus and WAN (SD-WAN)
- Advice and guidance around a Data Center Proof of Concept and a long-term automation journey

**Paddypower-Betfair**

Paddypower-Betfair needed a private cloud environment featuring software-defined networking and automated SDN.

**The outcome:**
- Continuous availability and optimum performance
- Improved time-to-launch for new products
- Significantly reduced operational costs
- Improved developer productivity
- Capacity easily scaled up/down to meet needs

**SWM**

SWM had to expand the physical network to combat hardware failures and time consuming RMA procedures as well as overcome a challenge with fibre connectivity to some of their offices.

**What we did:**
- Expansion of the office network without changing the in-house cabling (glass)
- Fast and flexible rollout
- Reduction of OPEX through automated solution
- Use of open interfaces for implementation of individual scripts

**M&G Prudential**

M&G Prudential needed to drive a mobile-first strategy with frictionless end-user security, anytime/anywhere access, and a simplified and seamless connected user experience.

**The outcome:**
- Increased user experience with a wire-free environment
- Cisco DNA-solution delivers performance, resilience and investment protection
- Definition of solution principles to control the enterprise solution
GET IN TOUCH

Start your network automation journey

You will receive a detailed perspective on your readiness to apply automation, in turn to enable the functionality of modern network infrastructures and gain maximum benefit from a future oriented and cost-efficient network platform.

www.computacenter.com/uk/it-agenda/networking