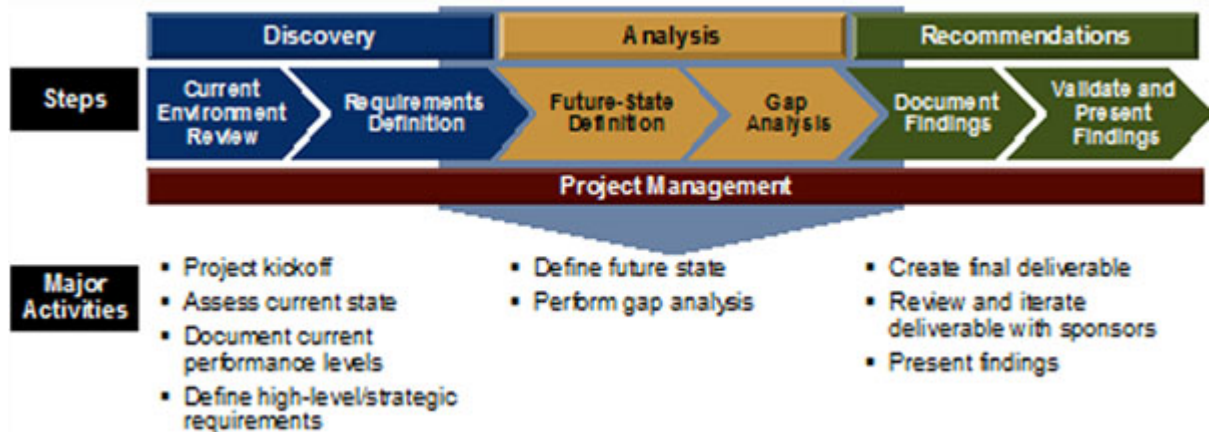


NETWORK HEALTH CHECK

A network health check is for clients who need to improve local area network performance and productivity. Our Network Health Check includes LAN and WLAN health checks, network performance, identify errors, inefficiencies and irregularities that make networks operate below expectation. An independent network Health check is essential when trying to improve performance, implementing a new technology, expanding an existing network or creating a long-term plan for network development.

Our Phased Approach to Health Checks:



Our Network Health Check evaluates network performance and identifies errors; inefficiencies and irregularities that make networks operate below expectation (may include LAN, WAN, WLAN and Server checks). An independent network Health check is essential when trying to improve performance, implementing a new technology, expanding an existing network or creating a long-term plan for network development.

Benefits

- Document existing network architecture
- Evaluate current performance and design
- Check network utilization

- Highlight issues discovered, their impact on the network and recommend changes
- Get an independent view of the network as well as network performance
- Optimise network security

Why Us: we at AS Technologies Ltd, provide a third party independent assessment of the health of your data network. Based on our experience designing and implementing networks, we understand what it takes to support day to day operations and business needs. Our personnel are experienced at analyzing wireless, local and wide area network facilities including routers, switches, firewalls, access points, bandwidth managers, modems as well as other network components without any vendor / product bias.

Steps to our Network Health Check

- Network Audit – Identifying organizations objective for the health check. This will help determine whether specific issues are investigated or a comprehensive network audit is conducted. The audit may include external audit, internal audit, wireless LAN and LAN audits.
- Physical Overview/Site Survey – a complete check list of equipment health including event logs/OS levels/patches/service packs, prepare network diagram, test applications running on the network, network devices and analyse security features and levels. Reviewing current network design and configuration including switches/routers/firewalls, Evaluating server equipment Reviewing backup jobs and configurations, Checking antivirus software patches/client updates.
- Documentation – A report with audit and overview results will be prepared. The report will also include recommendations for improving current network performance, Short and long term strategies for network enhancements/ implementations.

LAN Health Check

The LAN Check includes the following:

Network Inventory and PC Audit: The network is scanned without deploying any agents or visiting every device. Details obtained during the scan include hardware, software versions/event logs, windows updates, antivirus data and product keys. Network devices are also discovered. These devices include cameras, scanners, printers, switches and routers.

General LAN Analysis: This checks the general health of your Local Area Network (LAN) determining when bandwidth utilisation exceeds a safe operational condition. This is done against a predetermined benchmark - normal operational conditions on the network.

Information gathered include usage - network bandwidth utilization graphs are generated. Over utilising network bandwidth can be the major factor in network performance assessment. Certain industry standards exist for most local area network environments. Information generated and displayed includes top nodes in terms of bandwidth, protocols, packets and broadcasts.

LAN Testing and Certification: Testing is done on entire structured cabling UTP and Fibre cable installations to certify that they are in compliance with EIA/TIA 568A and EIA/TIA-526-14A standards (Electrical Industry Association/Telecommunication Industry Association). In performing this test, special equipment that is approved by the EIA/TIA 568A committee is used to test for Near End Cross Talk (NEXT), Attenuation, Frequency etc. on all UTP cable runs including patch cords and Optical Loss on fibre. Each cable in the installation goes through the same testing and a test summary report is generated for each point on the network.

Wireless LAN Health Check

Our wireless LAN health check is a detailed assessment of a wireless network geared towards identifying potential security issues that wireless technology may pose as well as a comprehensive check of coverage areas to ensure the performance of the wireless network still meets requirements. This is essential when certifying existing wireless LAN installations, deploying new network infrastructure or extending an existing Local Area Network.

WLAN Health Check deliverables

- Find weak points - effectively protect against security threats. A detailed wireless network health check is carried out when a wireless LAN is planned or extended. This allows us to identify potential security issues that the wireless network may pose.
- Find what is actually connected to the LAN - The wireless LAN health check provides a snapshot of the wireless LAN environment of the site being reviewed and includes: Wireless LAN documentation, location of rogue devices, Identification of weaknesses, problems or threats encountered during the health check.
- Help safeguard the network – with the wide acceptance and use of wireless networks, organizations are open to 802.11 (Wi-Fi) wireless attacks. The health check also looks for potential threats that wireless technology may pose to the network, helping to safeguard the network against attacks. Company/organization's network and IT security policy compliance is also checked.