Data Center Network Architecture Audit

EXPERT MARK
THE NETWORK PHILOSOPHY™

What is Network Architecture Audit ?

Network Architecture Audit (NAA) - are series of measures aimed to pinpoint weak points in principles of building your Data Center network, analysis of possible failure scenarios and set of recommendation of needed changes or architecture change proposal.

Steps in NAA process

- Scoping and initial collection.
- Existing documentation review
- Series of Interview with design and operation staff, revealing roots of some solutions, experience and expectations.
- Failures history review and analysis.
- Detailed data gathering.

- Internal analysis of data gathered
- *Charting (if needed)*
- *Failures Root cause analysis (if needed)*

- Preliminary results and results discussion.

This step involves quick review of problems found (if any), discoveries and content of NAA Report. Some corrections in configurations or design could be quickly applied based on this step.

- Final NAA Report.

Deliverables of project

- Network Architecture Audit report with/without recommendations
- *Network chart (if needed)*
- *New Network Architecture proposal (if needed)*

Duration of the project

Based on network size and initial scope projects lasts from 5 weeks to 12-16 weeks.

Resources required from customer side

Obviously most of the job will be done on our side, however it's almost impossible to discover your resources without involvement of your staff. To achieve goals effectively following will be required from your side:

- Project manager with authority to grant required access and organise internal meetings (This role is not dedicated PM, but Senior employee with knowledge of internal process and ability to organise process). PM is First POC.
- Read access to network documentation (HLD, LLD, Schemes, Change reports, CRM/Project software reports and so on).
- Read access to log server, inventory server and other internal network management software if any used.
- About 5 days of interview with operating and designing staff (with appropriate meeting locations preferably on site).
- Access to management network and option to connect collection device (laptop or 1RU server) to it, optionally clean server in management network that could be used to collect data. Will be returned after project end to clean state.
- Appropriate network devices account, with option to execute show commands and collect data. Current running config access on device or optionally on config backup server.