Week 4: IT Policy Control Framework

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# IT Policy Control Framework

NCU Financial has aggressively utilized acquisitions to grow its digital banking network. This strategy facilitates the business competing across diverse markets and reducing time to market. However, it has also created a fragmented internal structure without standards. The senior leadership wants to enable cross-business unit collaboration, which is dependent on establishing standards throughout the organization. NCU-F’s standards task force must define specific controls for each IT layer (e.g., networking and application components). While every component needs to become compliant eventually, the business is also cognizant of maintaining reliability and service availability.

# Naming Conventions

## Current State

Table 1: Router Naming Format Examples

|  |  |
| --- | --- |
| Business Unit | Name Format |
| Credit Team | {deviceid}.{building}.{geo}.credit.ncu |
| Savings Team | {deviceid}.routers.{geo}.savings.ncu |
| Trading Team | {deviceid}.{subsystem}.geo.trading.ncu |
| Mortgage Team | {mac-address}.routes.devices.mortgage.ncu |

The company does not centrally define component naming conventions, trading more flexibility and autonomy for less organizational consistency. Members of an individual team can quickly discover resources because they understand the local vocabulary and rules. However, scaling support teams more broadly becomes challenging. For instance, a central operations team must become accustomed to N-naming schemes. Table 1 enumerates a subset of the different formats that teams currently follow to name their routers. Those various permutations also manifest complexity throughout systems management (e.g., monitor and alerting rules). Meanwhile, requiring teams to implement new naming conventions creates infrastructure stability risks. Administrators must weigh the value-add of introducing multiple name changes.