

Figure 2 shows an example of a framework provided by the European Telecommunications Standards Institute (ETSI)

Virtualization and Abstraction

One of the main components of NFV is the capability to virtualize and abstract computing, storage, and

Tenants

Strategy for an NFV Operating Model

Sometimes the NFV project may introduce new

Automation and Orchestration

Automation and orchestration are the primary functions for providing service agility, service quality, and rapid provisioning. However, there are complexities involved in integrating, managing, and operating these new tool sets. Additional expertise and changes in roles and responsibilities are also required.

Tool sets and processes may include the following:

- Enterprise orchestration
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Fault and Operations Management

Processes are similar for fault and operations

VNF Security and Multitenancy

VNF security encompasses several security domains. Intra-VNF security is needed where security policy, authentication, key management, credentialing, and encryption are unique to a specific VNF. Inter-VNF

Typically, these changes include the following:

- Platform infrastructure upgrades
- Infrastructure and VNF platform software upgrades
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Table 1 lists some of these new tools available and describes their importance for a DevOps model, including