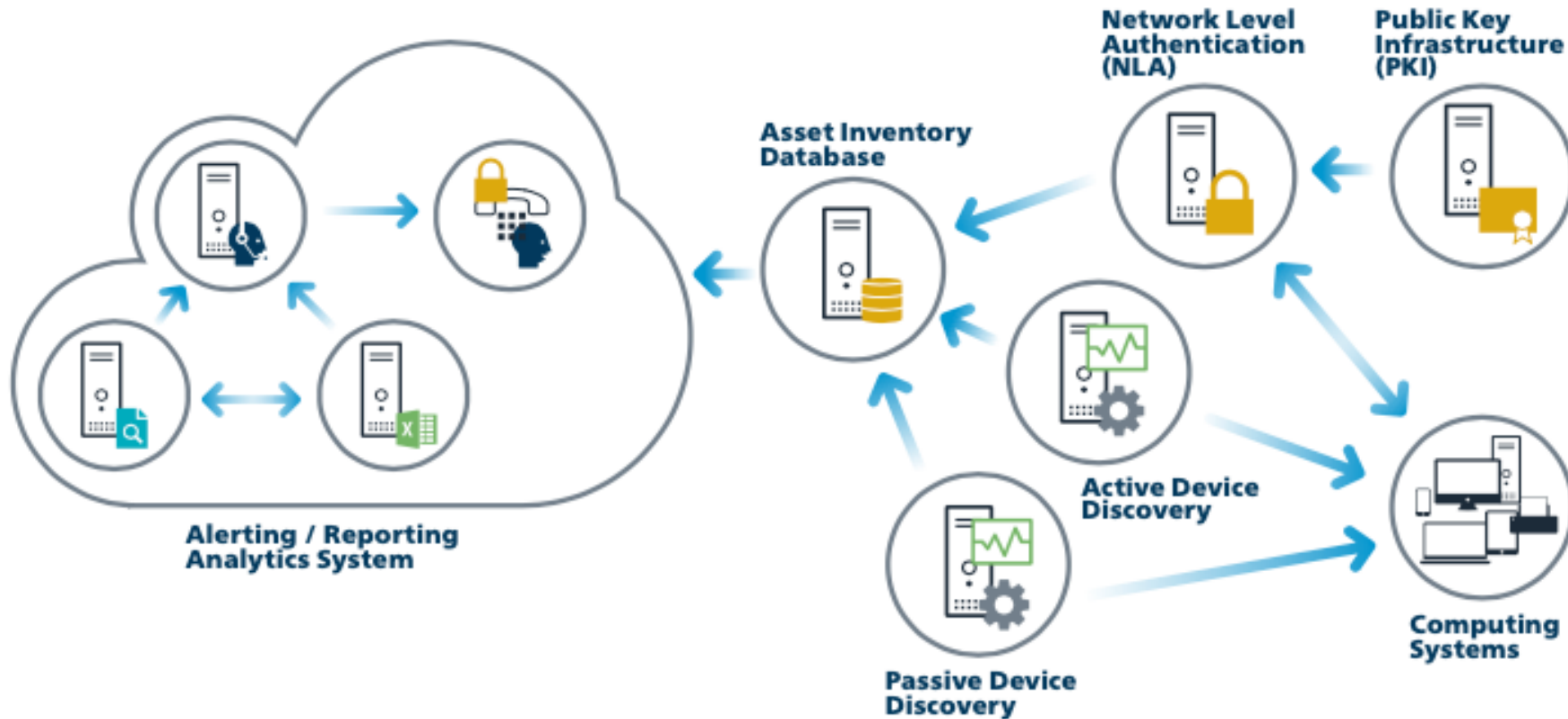


CIS Controls v7.1 includes system relationship diagrams for each top-level control

### CIS Control 1: System Entity Relationship Diagram



# Sub-control descriptions allude to workflow/process

2.2	Applications	Identify	Ensure Software Is Supported by Vendor	Ensure that only software applications or operating systems currently supported and receiving vendor updates are added to the organization's authorized software inventory. Unsupported software should be tagged as unsupported in the inventory system.
-----	--------------	----------	--	---

“Procedures and Tools” prose alludes to workflow/process

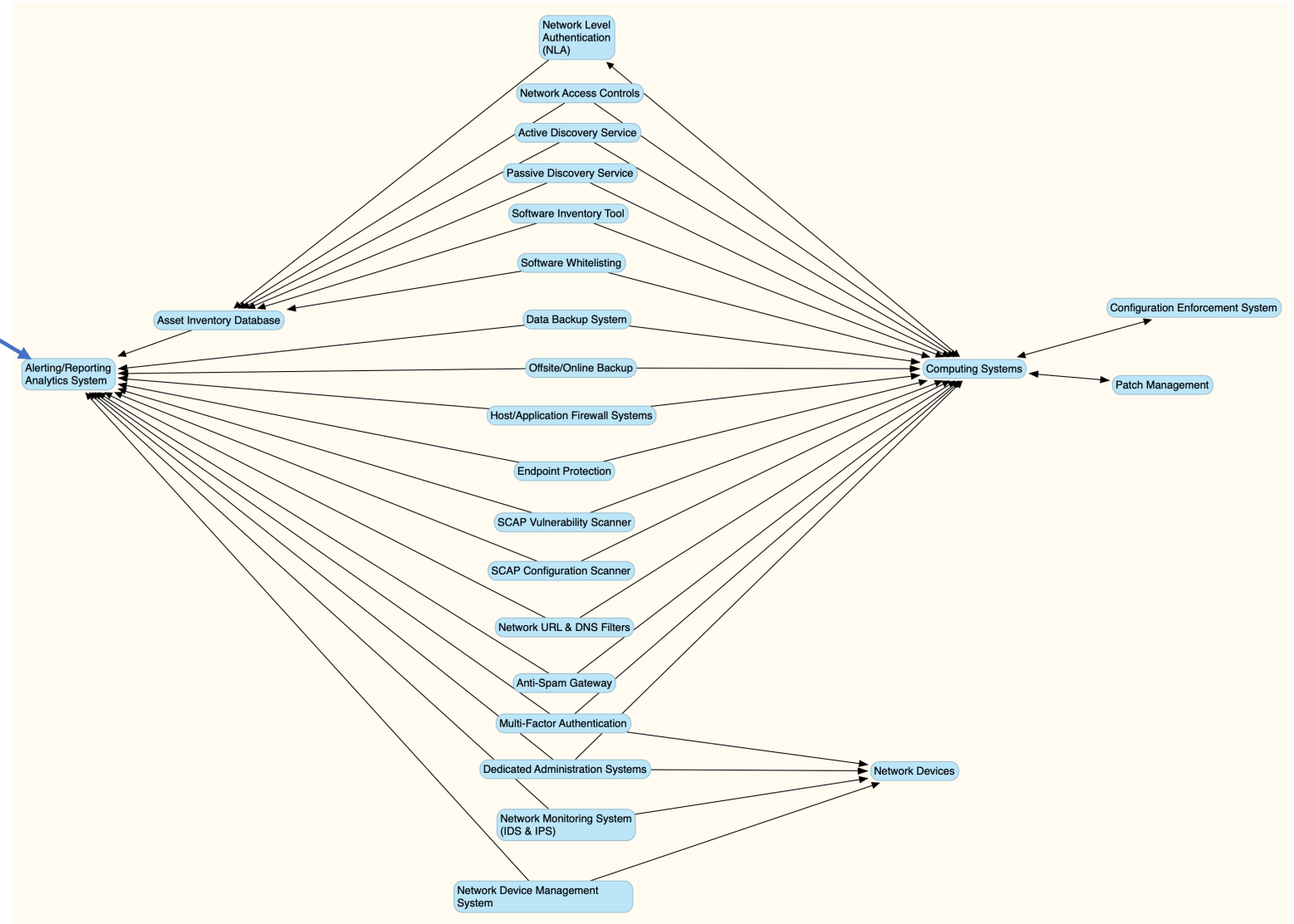
---

### **CIS Control 4: Procedures and Tools**

Built-in operating system features can extract lists of accounts with super-user privileges, both locally on individual systems and on overall domain controllers. To verify that users with high-privileged accounts do not use such accounts for day-to-day web surfing and email reading, security personnel should periodically gather a list of running processes to determine whether any browsers or email readers are running with high privileges. Such information gathering can be scripted, with short shell scripts searching for a dozen or more different browsers, email readers, and document editing programs running with high privileges on machines. Some legitimate system administration activity may require the execution of such programs over the short term, but long-term or frequent use of such programs with administrative privileges could indicate that an administrator is not adhering to this Control.

Combining a variety of “ERD”s shows that tools/capabilities are generally viewed separately, with any orchestration, interaction, or workflow implementation being (I assert) obscured in “Alerting/Reporting Analytics System”.

Alerting/Reporting Analytics System



Categorical management categories are present in the CIS Controls, their interrelationships are opaque. A sampling:

- Asset Management (SW+HW)
- Vulnerability Management
- Configuration Management
- Identity and Access Management
- Log Management and Analysis
- Data Recovery Management
- Incident Response and Management
- Pen Test/Red Team Exercises