Netbox Show-n-Tell
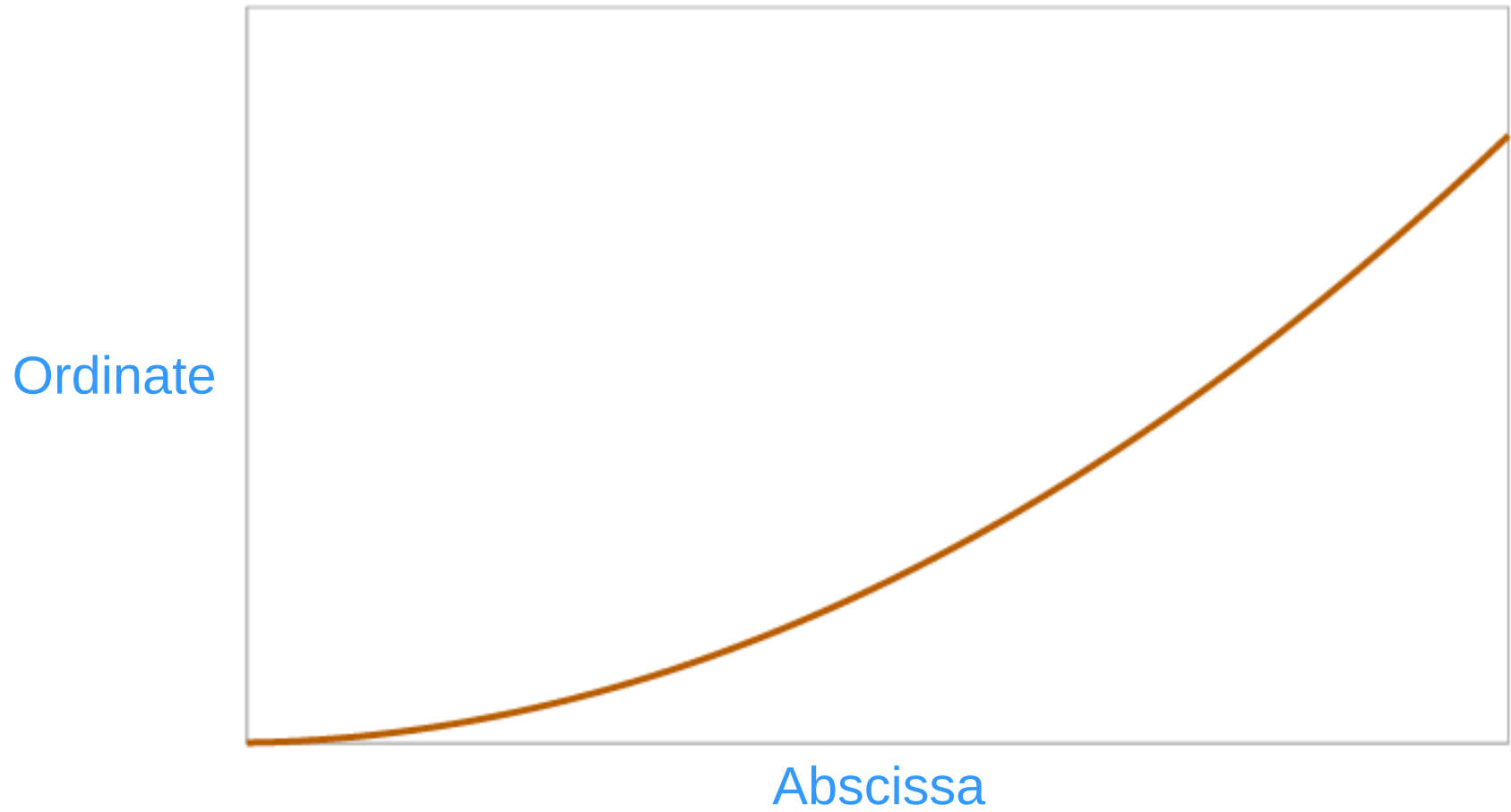
Internet2 Network Automation NTAC

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Marketing :-D

Our Ecosystem

netbox
Network Documentation / NSoT

SNIPE-IT
OPEN SOURCE ASSET MANAGEMENT
Hardware Asset Management

LibreNMS
Network Device Monitor

Opsgenie
Alerting and Dispatch

Infoblox
NEXT LEVEL NETWORKING
NetMRI Network Automation

Infoblox
NEXT LEVEL NETWORKING
NIOS DNS, DHCP, IPAM

Our Approach

- Institutional systems collectively know everything about our network
- Institution is moving to ServiceNOW, with a local focus on Change Management
- Ultimate goal is to improve messaging and outreach around service-impacting incidents and maintenances
- Streamline workflow with modern, disaggregated, and modular toolset
- Consolidate as much data as we can in a single place: Netbox
  - We only bring in what we need at the time
  - We try not to bring in data we're not using because it immediately gets stale
  - We try not to bring in data we can't continuously audit against another source

Netbox Tour

- How we laid out our space, with help from Facilities
- How we laid out our device roles
- How we imported device types (Github!)
- How we use config contexts to document current global config values
- How we shadowed our IPAM
- How we use Netbox to drive LibreNMS
- How we use custom links to tie Netbox back into our asset inventory & LNMS
- How we use Netbox data to enrich alerting and status dashboard info
- How we used export templates to normalize SNMP Location strings for our devices
- How we used custom reports to perform cross-audits among our data systems
- How we could use Netbox and some Jinja2 templatates to generate stub configs for device onboarding

Contact

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