Storage for Splunk

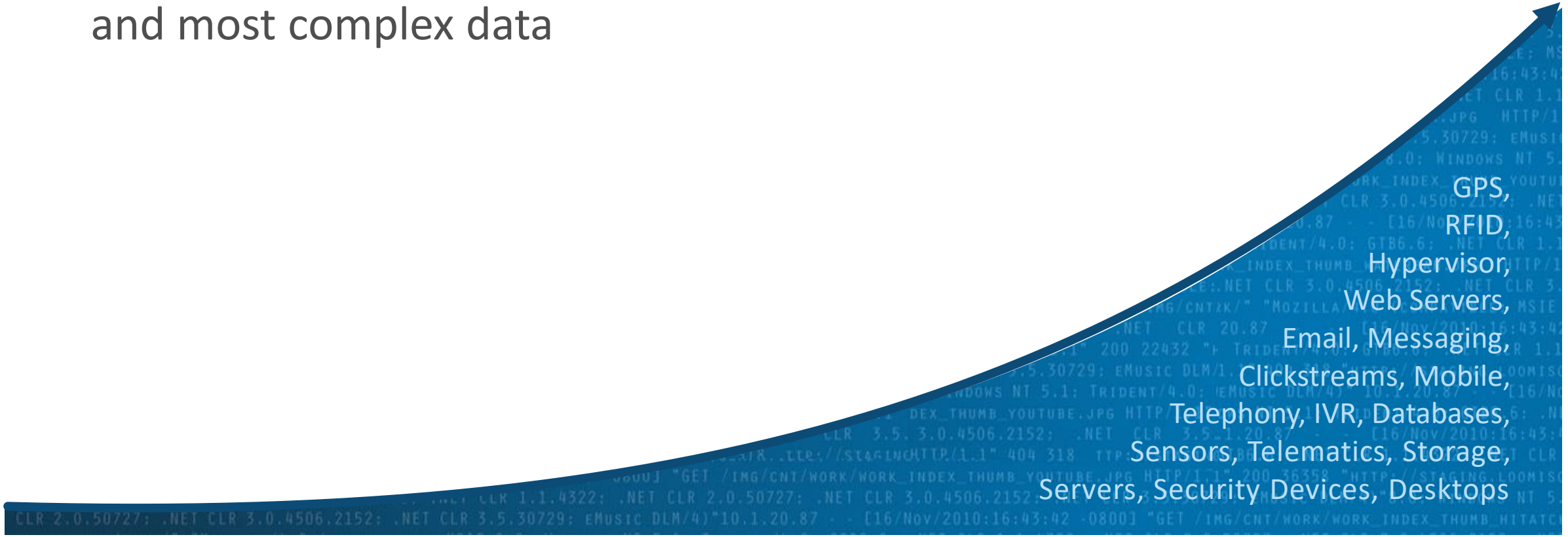
SVA

WHAT IS SPLUNK?

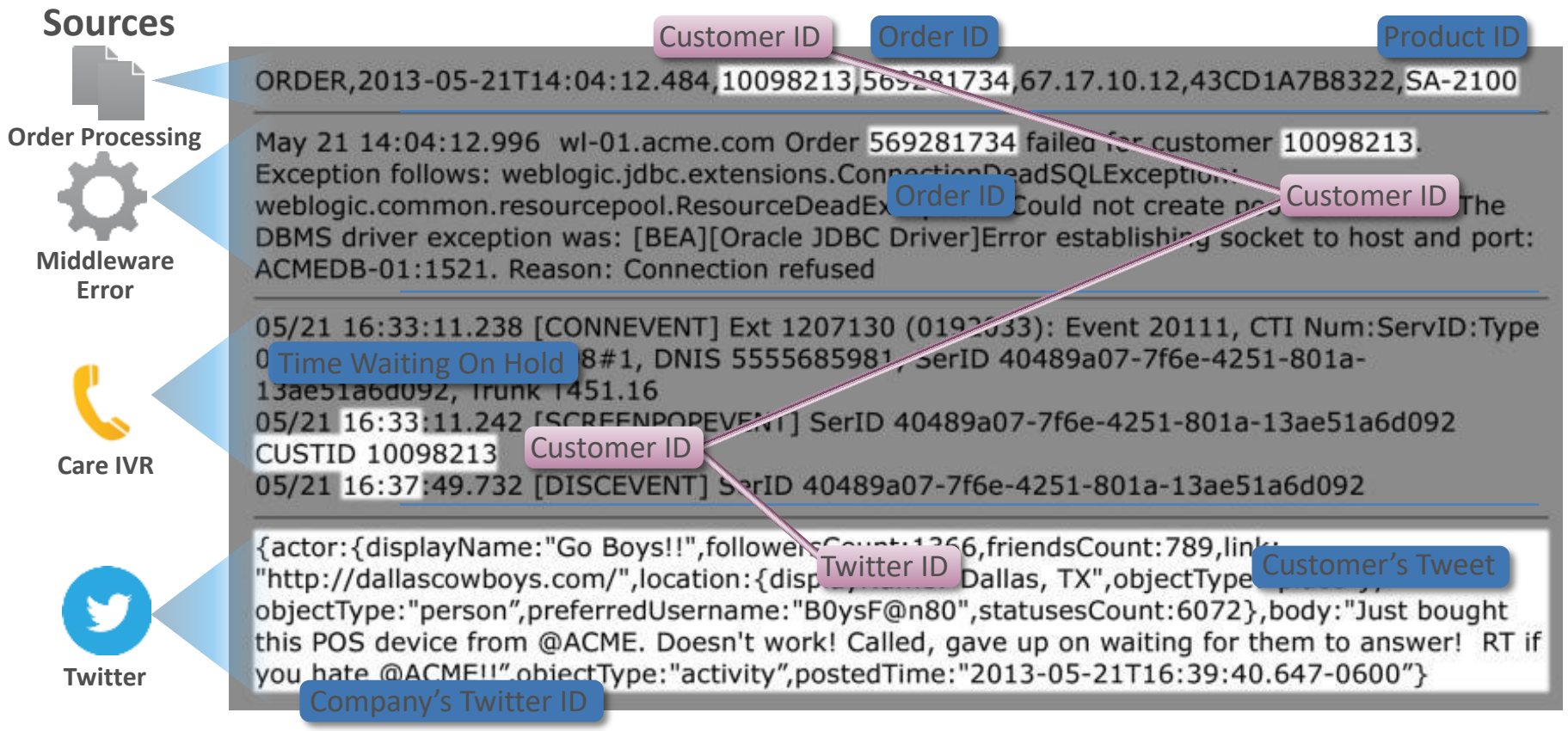
SVA

/ MACHINE DATEN

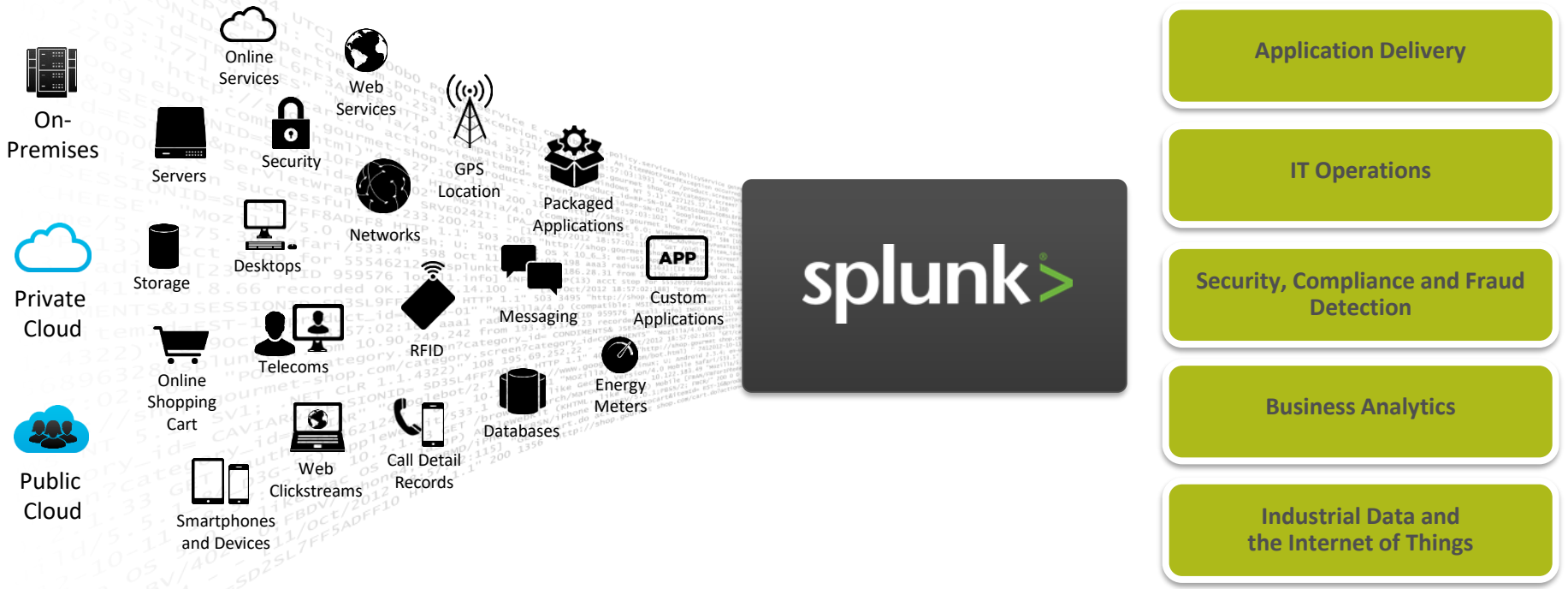
Machine Data is the fastest growing and most complex data



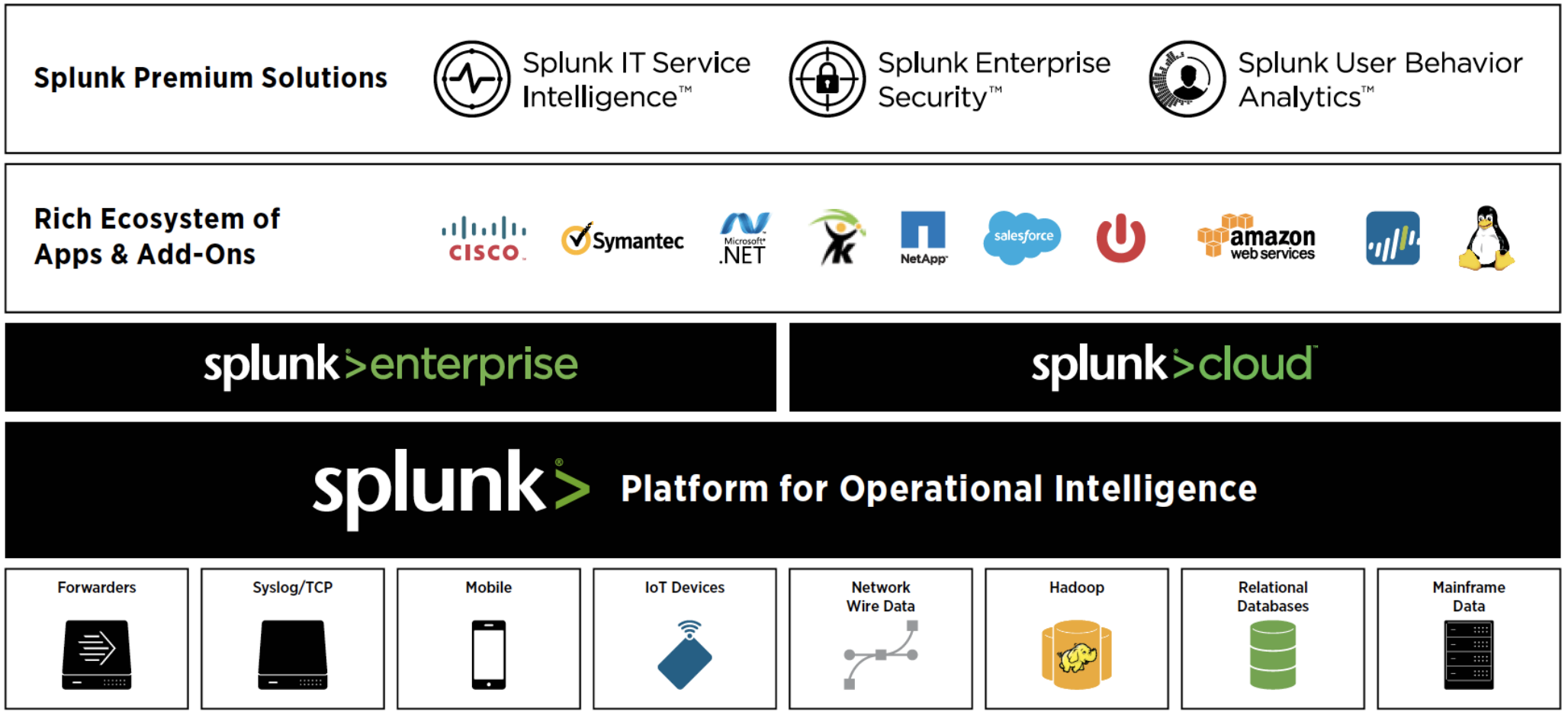
/ MACHINE DATA



/ SPLUNK DATASOURCES



/ SPLUNK ECO SYSTEM



SPLUNK INTERNALS

SVA

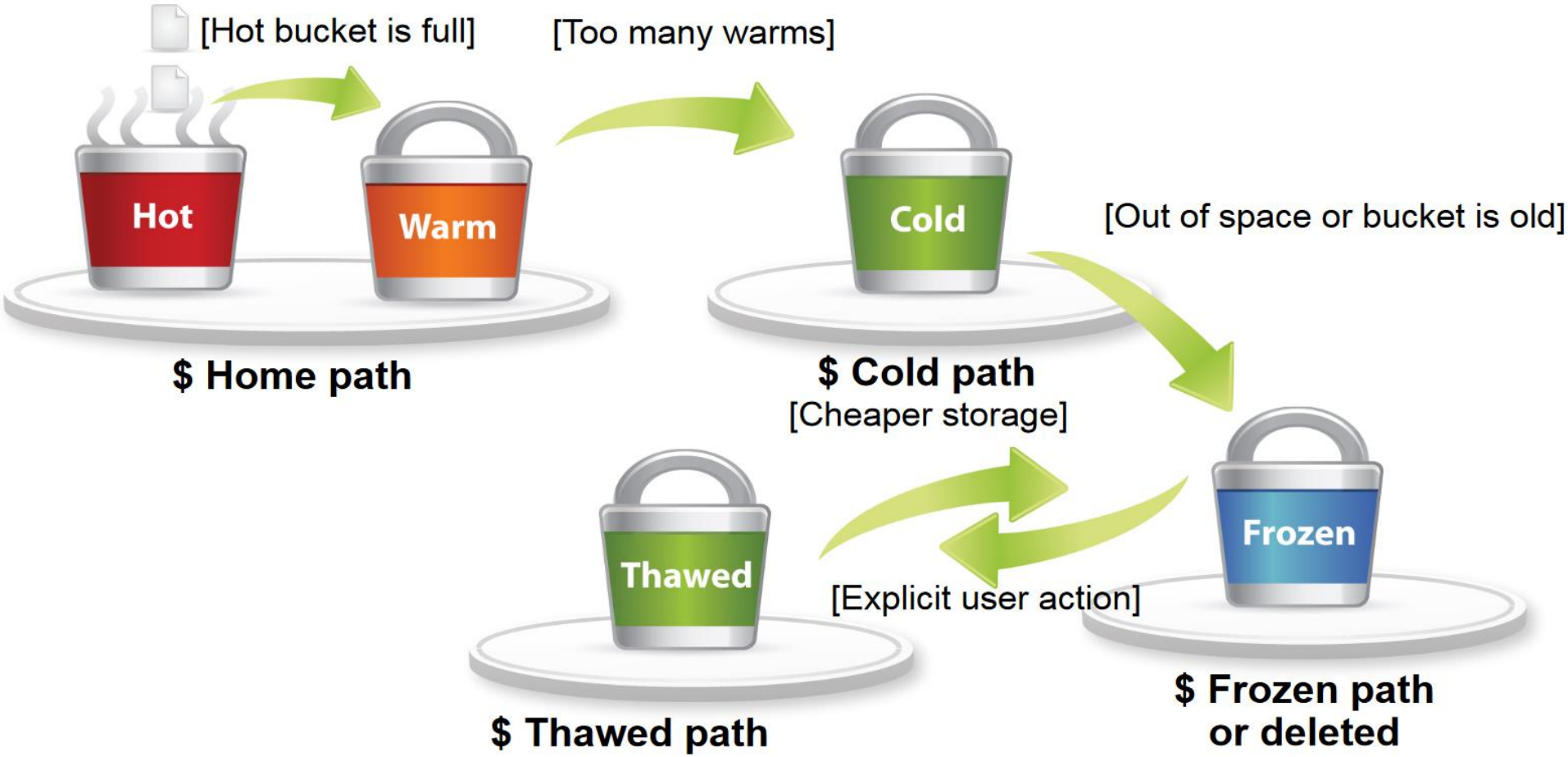
/ ARCHITEKTUR

Search Head

Splunk Index

Splunk Forwarder

/ DATA-AGING IN SPLUNK



/ Configure Storage in Splunk

Volume Configuration

```
[volume:primary]
path = /splunkdaten
maxVolumeDataSizeMB = 1530000

[volume:cold]
path = /splunkdaten_nfs
```

Index Configuration

```
[main]
homePath   = volume:primary/defaultdb/db
coldPath   = volume:cold/defaultdb/colddb
thawedPath = $SPLUNK_DB/defaultdb/thaweddb
frozenTimePeriodInSecs = 7948800
```

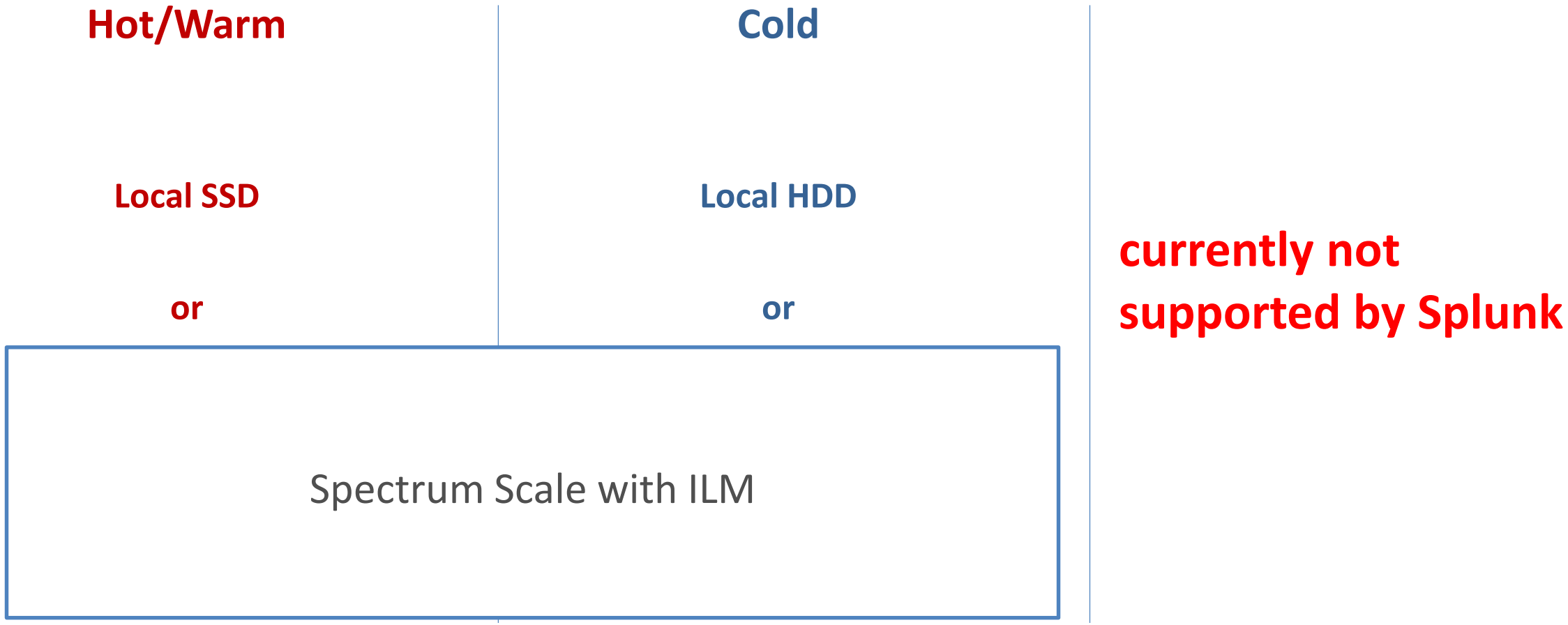
Storage for Splunk

SVA

/ Best Storage for Splunk

Hot/Warm	Cold	Frozen
Local SSD	Local HDD	Traditional external storage (offline / non searchable)
or	or	or
External Flash Storage (e.g. IBM Storwize)	External Mass Storage (e.g. Spectrum Scale over NFS)	Splunk SmartStore (online / searchable) (e.g. IBM COS over S3)
Min. 1.200 IOPS		

/ Best Storage for Splunk



SVA?

/ Product portfolio at a glance

Datacenter-Infrastructure

- Storage & Server Systems
- IP Networks Infrastructure
- Software Defined Data Center/Container
- Cloud & Automation
- Hyperconverged

Mainframe

- Services/Consulting
- zHosting
- zBusiness Services
- IBM System z Hardware
- Managed Services

End User Computing

- Application & Desktop (CAD/E) Virtualization
- Virtual Workspace & Mobility
- Application, Information & Device Management
- Unified Endpoint Management

Big Data Analytics & IoT

- Data Science & AI
- Operational & Security Analytics
- Business Intelligence
- Internet of Things
- Data Engineering & Microservices

SAP

- SAP Infrastructure
- SAP Technology Consulting
- SAP Solution Manager
- SAP Analytics
- Operational Support/ Managed Services

Business Continuity

- Archiving
- Backup and Recovery
- Disaster Recovery
- High Availability
- Continuity Planning

Service Management

- Software Asset Management
- Enterprise Asset Management
- IT Service Management
- Enterprise Service Management

IT Security

- Information Security & Compliance Consulting
- IT Security Architecture & Integration
- Penetration Testing
- IT Security Managed Services
- Security Incident Response

Agile IT & Soft-ware Development

- DevOps & Agile Culture
- Software Development
- Infrastructure as Code & Configurations Management
- CICD Pipeline/Toolchain
- Container Platforms & Cloud Management

Fragen?

Ihr Weg zu uns

/ Kontakt

MICHAEL HENN

Head of Competence Center
Operational & Security Analytics

Mobil: +49 151 180 256 60
E-Mail: michael.henn@sva.de

SVA Köln
Bahnstraße 8
50996 Köln

/ Sources

Splunk SmartStore with IBM COS Architectural Guide:
https://www.ibm.com/downloads/cas/VKNZQ9OX

Splunk Traditional with Flash 9100 and ESS Architectural Guide:
https://www.ibm.com/downloads/cas/RLQLJGOZ

Splunk SmartStore with IBM COS Solutions Brief:
https://www.ibm.com/downloads/cas/EYOA6JDG

Splunk Traditional with Flash 9100 and ESS Solutions Brief:
https://www.ibm.com/downloads/cas/QO0YQ045

Splunk Docs:
https://docs.splunk.com/Documentation/Splunk/8.0.2/Indexer/Configureindexstorage