About CESNET
- e-Infrastructure for Research and Academic sector
- Data Storage (DS), Cloud Computing, etc.
- DS annual investment approx.: € 0.8M

Data Storage:
- four data centres—all in the Czech Republic
- total capacity 42 PB
- currently all HSM, plan to deploy Object Storage
Public tenders

- about € 0.8M annually
- need of very accurate and complex definitions
- both technical and service requirements
- 40% of tender description = definitions

Internal (organizational) processes setup

- service/process certification (ISO, . . .)
- security reasons, data protection (GDPR, . . .)

Service description, process of data handling

- users—optimal way of usage for their use cases
- management—understand the systems for strategic decisions

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1 Storage Service Definitions :-)

M.D., Storage Service Definitions, CESNET, 3/6
knowledge of provided services \(\leadsto\) hardware maintainance, reliability

technical definitions
- HSM—tier specifications, network infrastructure, server structure, . . .
- High Availability (HA), active-active, active-pasive
- TiB and TB, TBW—Terabytes Written

service definition, consequent of technical definitions
- SLAs—categories, reaction times, . . .
- service description—data handling on DS, migration among HSM tiers

\(^2\) Storage Service Definitions :-)
Public tenders—buyer, vendor

Buyer
- no large definitions in public tenders—reference to existing definitions (RDA?) → reduce 40% of repeating documentation
- eliminate “unwanted technology”

Vendor
- clear specification, SLAs, no space for misunderstanding

Internal processes, security, . . .

Last but not least—clarity of service definitions for end users
Thank you for your attention. Questions?

contact: danecek@cesnet.cz