

DOMA-BDT

2025 Reawakening

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Recap on proposed activities

(DOMA-General, Jan 2022 [\[link\]](#))

- **Archive Management**

- Finish SRM + GridFTP → SRM + HTTP protocol migration
- Follow WLCG Tape REST API adoption

⇒ **Resolution:** WLCG Tape REST API adopted and used by all experiments

- **Data Access with WLCG JWT Tokens**

- Coordinate development, integration and deployment of the token-based infrastructure
- Rollout infrastructure for token-based transfers

⇒ **Resolution:** Key discussion forum
Token “smoke-tests” infrastructure in-place

Recap on proposed activities

(DOMA-General, Jan 2022 [\[link\]](#))

- **Network Utilization Visibility**

- Engage with network & storage teams to test and integrate Packet Marking solution into the WLCG ecosystem

⇒ **Resolution:** Packet Marking implemented and “gradually” deployed
Used during DataChallenge’24

- **WLCG Data Challenge ~~2023~~ 2024**

- Help with planning and coordination
- Token-based authorization, packet marking deployment
- Follow-up on Grid sites deployment and configuration

⇒ **Resolution:** Key role in DC’24 discussion and planning

- **The initial set-out objectives of the DOMA-Bulk Data Transfers (BDT) Working Group have been achieved**
- **Regular meetings continued up until the DataChallenge'24**
 - Sporadic (final) meeting on 17th April 2024
- **Over time, the meeting has gathered additional, recurring topics**

Current status & activities

- **Common place for review and discussion of data management & transfer problems affecting the experiments**
 - **Discussion place for token-based transfers status**
 - **Discussion place for TAPE REST API status**
 - **Discussion place for Packet Marking status**
 - **Activity to track and improve WebDav Error Messages**
 - **AOB**
- ⇒ **Clear need for a continued monitoring and discussion forum on data access and transfers, as the technologies evolve**

DOMA-BDT Mandate

The DOMA Bulk Data Transfers Working Group proposes to serve as the discussion forum for data access and transfer technologies.

As part of its duties, it will guide the discussion for the design of new and/or evolving solutions, as well as follow their implementation, at-scale testing and deployment across the WLCG.

DOMA-BDT “*Renewed*” Topics

- Continue “WLCG JWT Compliance test” routine
- Continue “Packet Marking” follow-up

- Assist in mini-DataChallenges
- Assist in DataChallenge’27 preparedness

- Evolution of HTTP-TPC
 - Improve PerformanceMarkers, provide expected checksum, investigate # of streams, investigate HTTP session reuse, improve timeouts, improve error reporting... *(list not exhaustive)*

- Token compliance and adoption for Tape access

DOMA-BDT: Organizational

- Co-coordinated by Mihai Patrascoiu and Petr Vokac
- Meeting every 4 weeks, Wednesday @ 16:00
(will align to not overlap with DOMA General)
- Ad-hoc meeting on dedicated topic, every other 2-week possible
(will be announced in advance)

Immediate action items

- Publish DOMA-BDT Mandate document
- Redo DOMA-BDT TWiki / Documentation ([current link](#))
- Gather feedback on DOMA-BDT restart