

## APEL Client Requirements

- information source: Cristina Del Cano Novales - [cristina.del-cano-novales@stfcNOSPAMPLEASE.ac.uk](mailto:cristina.del-cano-novales@stfcNOSPAMPLEASE.ac.uk), Will Rogers - [will.rogers@stfcNOSPAMPLEASE.ac.uk](mailto:will.rogers@stfcNOSPAMPLEASE.ac.uk)
- contact email: [apel-admins@mailtalkNOSPAMPLEASE.ac.uk](mailto:apel-admins@mailtalkNOSPAMPLEASE.ac.uk)
- external resource: <https://wiki.egi.eu/wiki/APEL/Server>

### Description

Volatile information publishing, producers will retry publishing if there is no acknowledgement from consumer.

### Client types

#### Producers

Producers publishing accounting data, WAN distributed.

#### Consumers

Consumer consuming collected accounting data, could be LAN distributed.

### Destination types

- short-term destination type, for example: `grid.accounting.cpubdata.<ROC-NAME>`
- long-term will be looking at one destination type per type of accounting data

#### For a give destination type:

- instances number: at least 1 central instance, maximum 1 instance per NGI plus 1 central (~41)
- messages content: encrypted accounting data
- messages size: between ~1kB and 1MB
- format of the messages body: SMIME wrapper
- messages lifetime: 0 since producers will resend
- maximum latency: < 15 seconds
- permanent vs occasional connections: permanent connections
- security requirements: none at messaging level

#### For a given destination instance:

- 1 producer, 1 consumer, 20 messages per day

#### For a given destination type:

- maximum 330 producers, 1 consumer, ~7K messages per day

### Programming Languages

- Python

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