



# HTCondor CE campaign on EGI

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v1.0

# This was presented in the [September GDB](#)

- Second EGI campaign to be launched in the next few weeks
  - HTCondor CE v5 + condor-9.0.19 ← when available in [UMD-4](#) (CentOS 7 only)
  - It allows X509 / VOMS proxy *identities* (no FQANs) to be mapped via the **SSL** method
    - No wildcards needed
    - Clients relying on SSL mappings also need to use a recent condor version
  - When all customers of a CE can be mapped through **tokens or SSL**, i.e. no longer need **GSI** support, the CE can be upgraded to HTCondor CE v6 with condor  $\geq 10.7.x$ 
    - Those recent versions also support the plug-in call-out for **EGI Check-in tokens**
    - **Mind this HTCondor (CE) setting for APEL:** `USE_VOMS_ATTRIBUTES = True`
    - Available for CentOS 7 and EL 9 (→ UMD-5)
- **EGI Check-in token** details were presented in the [June GDB](#)

# More configuration details

- To allow a *proxy* to be used for **SSL**, a CE client needs these settings:
  - `AUTH_SSL_USE_CLIENT_PROXY_ENV_VAR = True`
  - `AUTH_SSL_CLIENT_CADIR = /etc/grid-security/certificates`
  - `SEC_CLIENT_AUTHENTICATION_METHODS = FS, TOKEN, SCITOKENS, SSL, GSI`
- The HTCondor CE needs the following settings:
  - `AUTH_SSL_ALLOW_CLIENT_PROXY = True`
  - `AUTH_SSL_SERVER_*` and `AUTH_SSL_CLIENT_*` variables need to be set to the host certificate, key and grid certificates directory
  - `SCHEDD.SEC_WRITE_AUTHENTICATION_METHODS = FS, TOKEN, SCITOKENS, SSL, GSI`
  - `SCHEDD.SEC_READ_AUTHENTICATION_METHODS = FS, TOKEN, SCITOKENS, SSL, GSI`
- A mapfile must be added in `/etc/condor-ce/mapfiles.d/` and have entries for the desired proxy identities to be mapped, in either of these formats:
  - **SSL** `"/DC=.../C=.../O=.../CN=..."` account ← hardcoded DN
  - **SSL** `/VDC=...VC=...VO=...VCN=.../` account ← can use *regular expressions*

Remove **GSI** to verify that **SSL** mappings really work and/or check the CE logs

# News for this GDB

- UMD-5 (EL9) is based on a completely new, modern architecture that will save significant effort and has largely been tested, but its delivery has been stuck for a while now
- UMD-4 (CentOS 7) has been moved into the same infrastructure and is affected similarly
- Significant development for EGI officially is not funded from July 2023 until January 2024
- For now, we can use the [WLCG repository](#) instead
- But should we rather **wait** until the **HI Run** has finished?