

Migration from X509 to tokens: status

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Dropping support to VOMS-based authz

- The usage of X509 personal certificates will progressively decrease in favour on Federated Identities
- In Feb 2022 OSG fully moved to token-based AAI authentication, abandoning X509 personal certificates
- In HTCondorCE the <u>Grid Community Toolkit was replaced</u>
 - X509/VOMS authentication until May 2023 Starting in 9.3.0 (released in October 2021), the HTCondor feature releases does NOT
 - The long-term support series (9.0.x) from the CHTC repositories will support contain this support
 - EGI sites were recommended to stay with the long-term support series for the time being





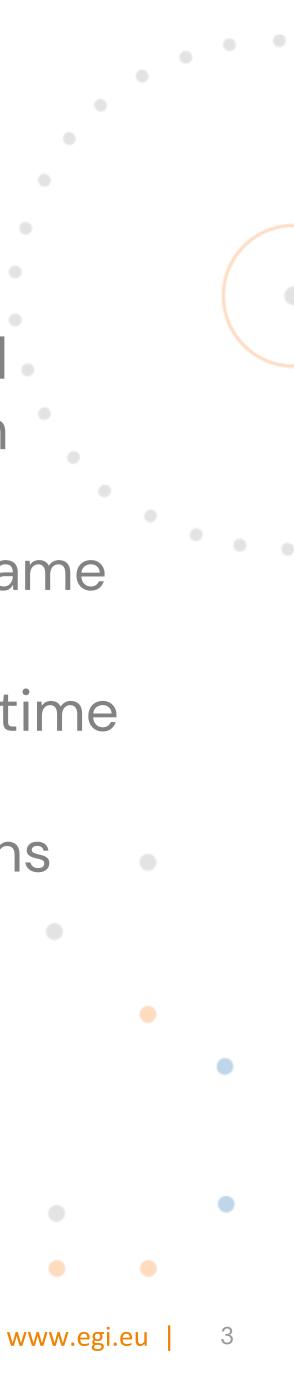
- - tokens
 - time

 Transition period where both X509 authz and token-based authz can be used. Delays in updating the GRID elements to the latest version compliant with

Not all of the middleware products can be compliant with tokens at the same

Migration of Storage technologies to token-based authz will take more time

• The same VO has to interact with element supporting different authentications





Middleware readiness

- Middleware components tested against the WLCG token
 - Not completely compliant with the AARC guidelines
- EGI Check-in releases token following the AARC recommendations
 - Further tests were needed and changes requested to the middleware products
- During the <u>ARC/HTCondor CE Hackathon</u> held in September 2022
 - Agreed to enable the support of the several token profiles through plugins
 - WLCG, AARC, any token
 - The same plugin for the several CEs
 - Plugins provided by the "creators" of the token profiles
 - supporting the plugins
 - New CEs version released in the meantime
- WLCG started the <u>CE Token support campaign</u>
 - configure tokens to allow further testing in production

• CE teams to provide specifics to the AAI teams and to release a new CE version

sites were asked to upgrade their CEs to the version supporting also tokens, and





Plans for using the AARC profile token

- authz on the CE side
 - through a different attributes than the one used by the WLCG token
 - The plugin will translate the attribute to be understandable to the CEs
- The plugin will be tested in production before its release in UMD
- series (9.0.x)
 - Ideally before May 2023
- the tokens when the first HTCondor 10.0.x endpoints are in productions
 - Some of the VOs might be involved in testing tokens with the 9.0.x version
 - Some VOs might be moved to Indigo IAM

• The Check-in team is working on a plugin for the Check-in/AARC token profile allowing the

 According to the AARC guidelines, the claim to authorise the job submission is provided Then we can start the decommission procedure for the HTCondorCE long-term support

• At the same time the VOs using voms will be cloned to Check-in in order to be ready to use





Thank you

Questions?

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