

**The University of Hong Kong
Computer Centre**

Information Sheet on HKU Grid CA Certificate Application

Introduction

The HKU Computer Centre Grid Certificate Authority (HKU Grid CA) is the Certificate Authority (CA) which provides X.509 digital certificates to support the Grid related research computing in the Hong Kong region. HKU Grid CA is one of the members of the APGridPMA (Asia Pacific Grid Policy Management Authority) for Grid Authentication. HKU Grid CA is operating according to its Certificate Policy / Certification Practice Statement (CP/CPS) which can be found at the online website.

Requirements of Applicants

To apply for certificate issued from HKU Grid CA, the applicant must be either (according to CP/CPS 1.3.4):

- Regular staffs or students participating in The University of Hong Kong (HKU).
- Other collaborators or institutes who can provide valid official documents as the proof of the involvement in Grid research & scientific collaborations with HKU.

Responsibilities of the Applicants

You MUST agree these responsibilities and observe strictly (according to CP/CPS 4.1.2):

- Provide correct information at the enrollment.
- Manage the certificate and private key safely to prevent unauthorized uses.
- The pass phrase for the private key must be at least 12 characters and RSA key must be at least 1024 bits.
- Inform the HKU Grid CA to revoke the certificate promptly if there is any actual or suspected loss, disclosure, or other compromise of the private key.
- Inform the HKU Grid CA to revoke the certificate promptly when it is not used at all.
- Do not share any user certificate.
- Connect the server certificate with only a single network entity.

Valid period of the certificates

The valid period of all the user certificate and host certificate is 365 days.

Website for the HKU Grid CA system

<http://ca.grid.hku.hk/>

Acknowledgement in Research Publications

Users are requested to acknowledge the use of the HPC & Grid facilities of the University in publications of research results that are achieved or facilitated by the University's HPC & Grid facilities.

Acceptable Use Policy for HKU Grid CA Systems

1. The use of the HKU Grid CA system is governed by the Certificate Policy / Certification Practice Statement (CP/CPS) (available at <http://ca.grid.hku.hk/policy/>).
2. Users are responsible for using the HKU Grid CA systems, resources and facilities in an efficient, effective, ethical and lawful manner.
3. Users are requested to report any weaknesses in HKU Grid CA computer security, and incidents of possible misuse or violation of the account policies to the Computer Centre.
4. Users shall not attempt to access any data or programs contained on the HKU Grid CA systems for which they do not have authorization or explicit consent of the owner of the data/program.
5. Users shall not share their HKU Grid CA certificates with others.