

Garuda Grid Registration System - PURSE

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Terminologies

PURSE - Portal Based User Registration Service

RA – Registration Authority (GARUDA Contact Person)

CA – Certificate Authority (CDAC-KP)



PURSE

- **PURSE** : A **P**ortal Based **U**ser **R**egistration **S**ervice, a system for registering users through Web-based applications using the Grid Security Infrastructure, based on **PKI** and **X.509** certificates.
- GARUDA uses PURSE for Registration of new Users



Certificate Authority

- A **certificate** is a digital document that *certifies* that a certain public key is owned by a particular user. This document is signed by Certificate Authority (CA).
- CA will send the information about the requestor to RA (GCP).
- CA will have no knowledge about the requestor & will wait for the GCP's advice.



Registration Authority / GARUDA Contact Person

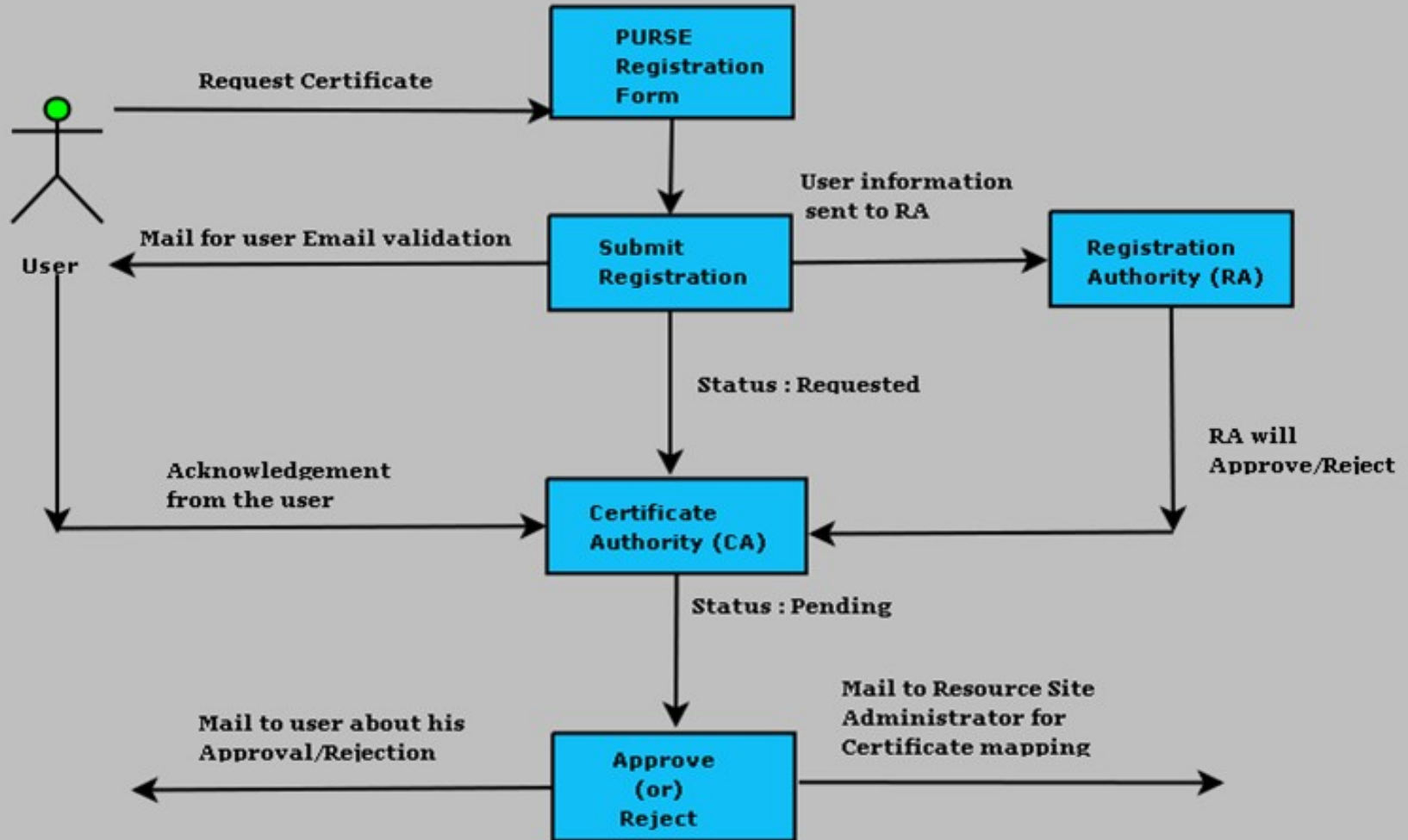
- A Registration Authority (RA) is an authority in a network that verifies user request for a digital certificate and tells the Certificate Authority (CA) to issue certificate.
- GARUDA Management has identified from each partners Institute, 1 or more GARUDA Contact Persons, who act as RA from the Partners side.

Some of the RA's are

- Prof. Dillip G. Kanhere (UOP)
- Dr. Haresh S. Bhatt (SAC)



PURSE (Portal based User Registration Service) Process



How to access PURSE ?

1. <http://192.168.60.40>
2. http://your_institution_head_node_ip/garuda

Second access method through Proxy Pass



Proxy pass & How to set it up ?

- Proxy Pass is a module of Apache web server
- Proxy Pass is a directive that can be configured in *httpd.conf*
- It allows remote servers to be mapped into the space of the local server. It appears as a mirror to remote server.

Example : IGIB Cluster Head node (10.64.8.3) httpd.conf

ProxyPass ***/garuda/*** ***http://192.168.60.40/***

ProxyPassReverse ***/garuda/*** ***http://192.168.60.40/***

URL to access PURSE : ***http://10.64.8.3/garuda***



Steps :

1. Access PURSE website & register your request
2. Confirm your request by clicking the confirmation link sent by grid-help@cdacb.ernet.in
3. Wait for your certificate approval.



Registration Acknowledgement

Garuda Grid Certificate Authority

[Home](#)

[Request Certificate](#)

[Account Info](#)

[Certificate Info](#)

[Help](#)

Garuda Grid Portal Registration

Hello guest,

Your request for registration has been recorded and awaiting approval.

A confirmation email has been sent to henrys@cdacb.ernet.in

Confirm your request

Subject: Garuda-Grid Registration
From: grid-help@cdacb.ernet.in
Date: Tue, September 25, 2007 12:17 pm
To: henrys@cdacb.ernet.in
Priority: Normal
Options: [View Full Header](#) | [View Printable Version](#) | [Download this as a file](#)

Garuda National Grid
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<https://192.168.60.21:8443/purse/confirm.jsp?token=00000115-3b6b-ba55-00006a42-eb1bc7bff74c>

Hello,

Garuda Grid Portal received a request for a new user account that uses your email address. If you DID NOT request for an account, simply discard this message and accept our apologies for the inconvenience. If you DID request for an account, we need you to confirm your request by click on the following link. (NOTE: you will not be able to login until you receive an email from the portal administrator indicating your request has been approved):

<https://192.168.60.21:8443/purse/confirm.jsp?token=00000115-3b6b-ba55-00006a42-eb1bc7bff74c>

Note : If you are not able to confirm through the above link, then reply to this mail.

Regards
Certificate Authority, Bangalore

Certificate Validity & Renewal

- GARUDA Grid certificate is valid for one year.
- Account Info : <http://192.168.60.40/purse> -> “**Account Info**”

For renewal : Reply to the alert mail that will be sent by CA about 7 days before your certificate expiration.

Why my certificate is not approved ?

- If the registration is not proper
- If you don't confirm/validate your email-id
- If your GCP doesn't reply
- If your GCP doesn't approve your request

Questions ?