Resource Certification in MyAPNIC

Robert Loomans

Senior Software Engineer, APNIC

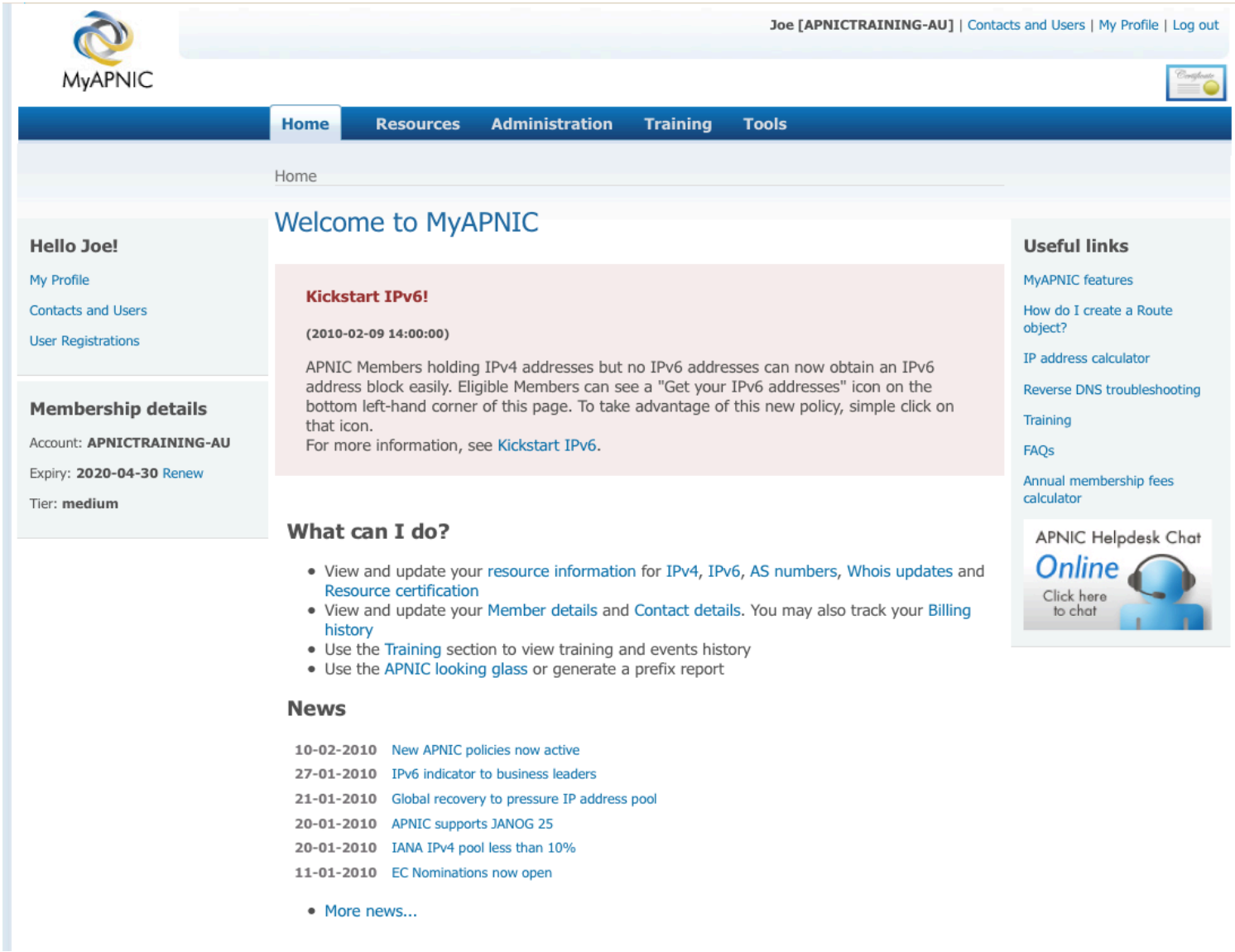
Resource Certification in MyAPNIC

- Focus on tasks
- MyAPNIC pages
- Future direction

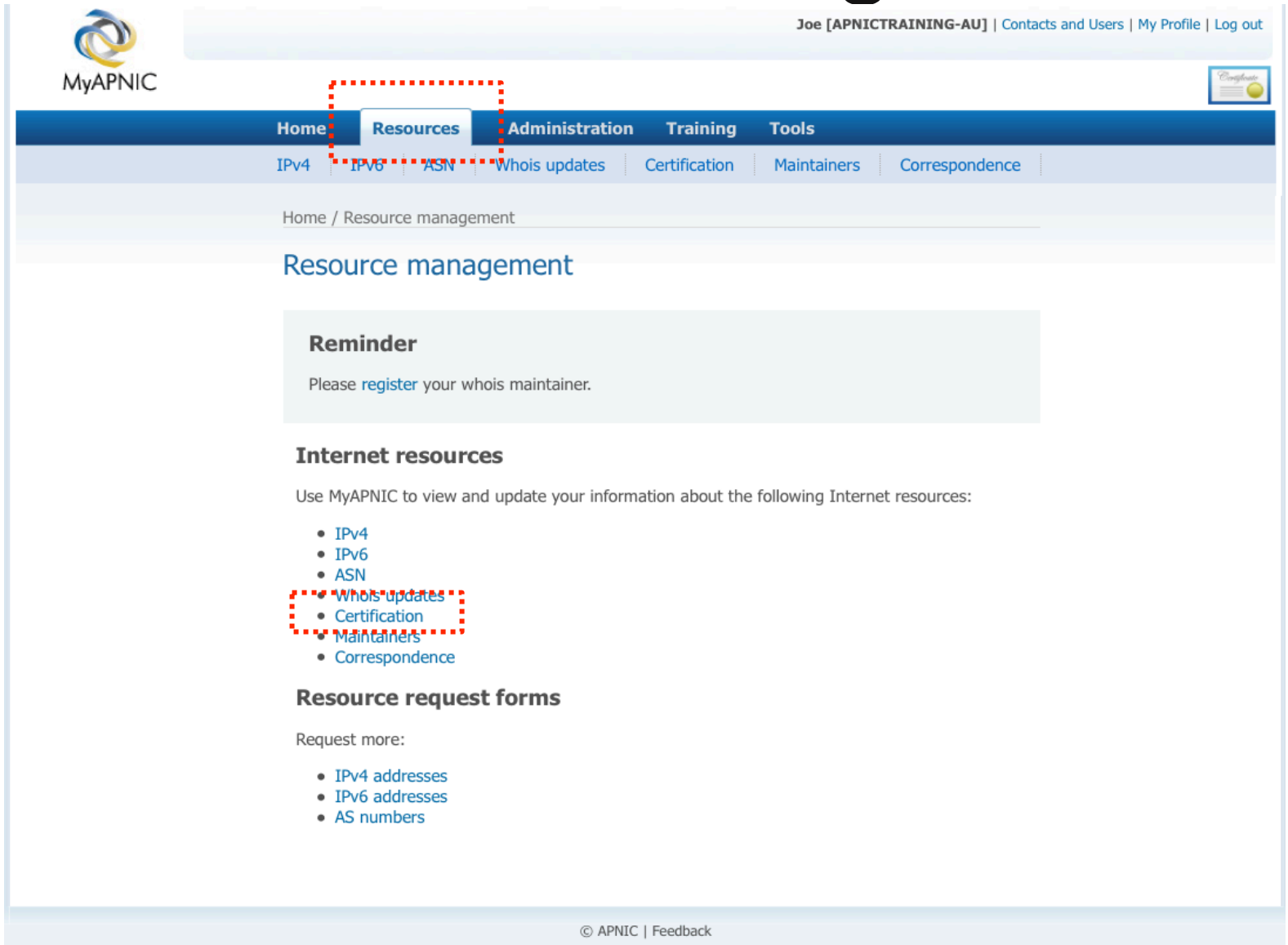
Focus on Tasks

- What do you want done?
  - Focus on tasks and resources…
  - … not certificates
- Complex details, if you want them

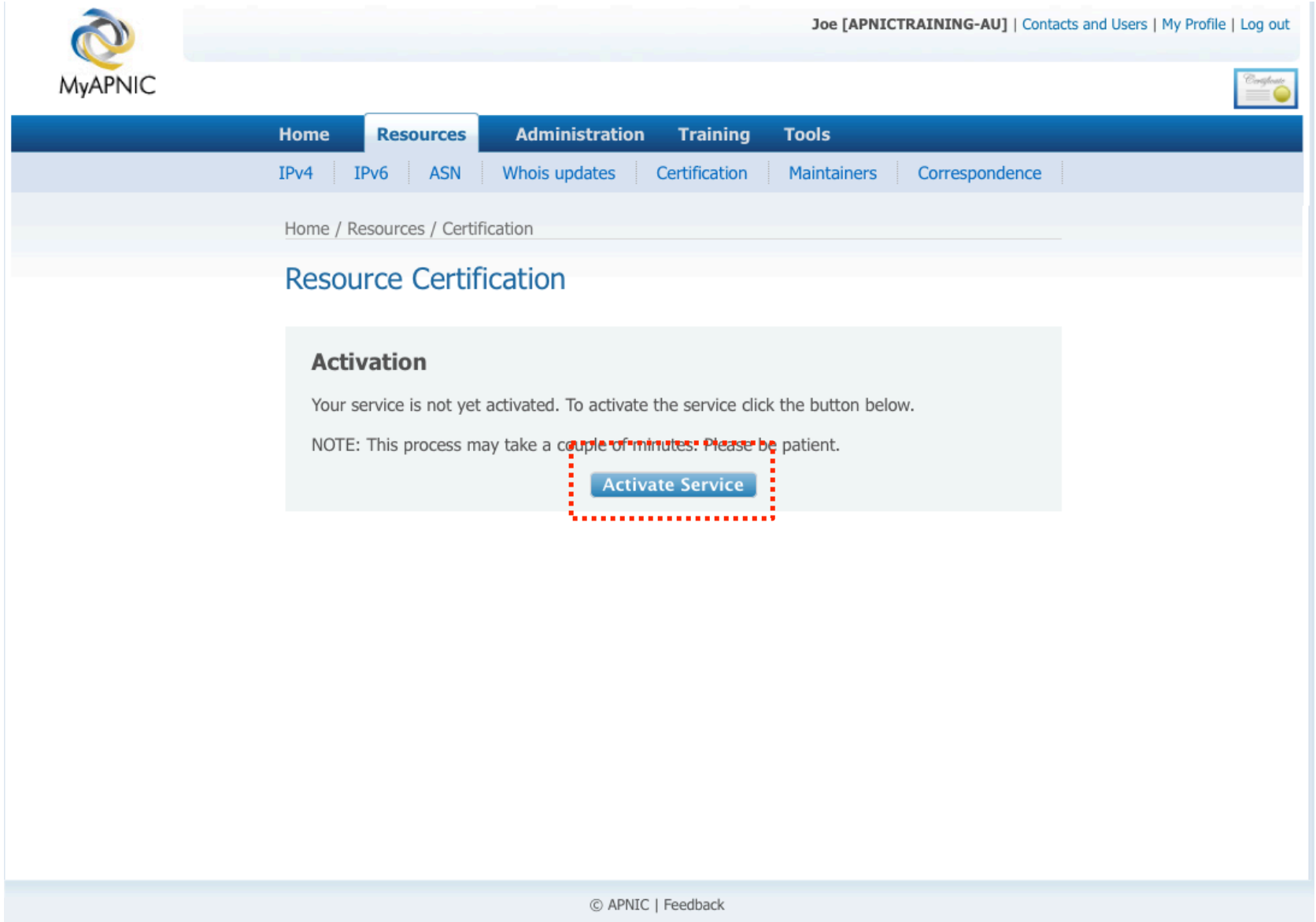
MyAPNIC Home Page



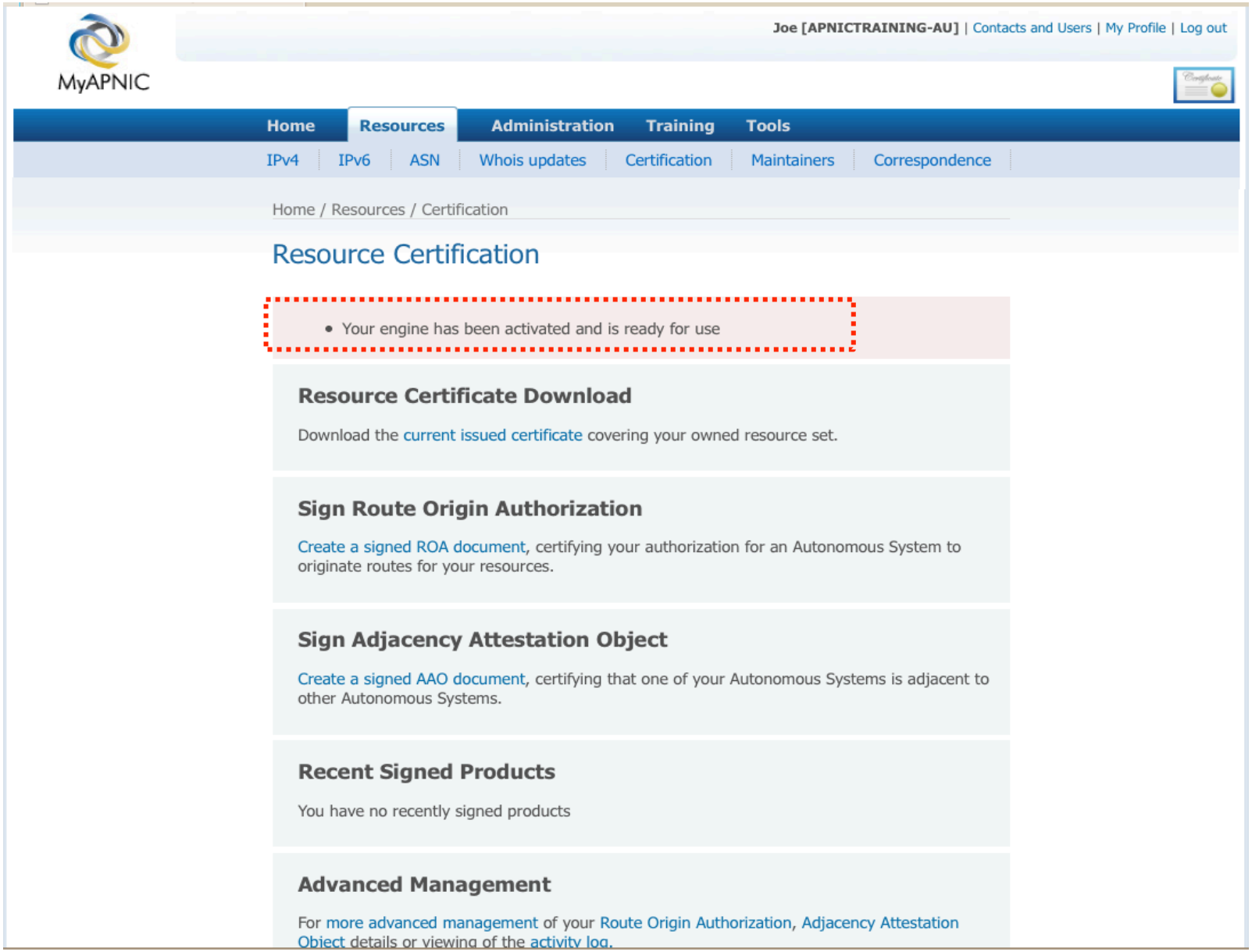
Resources Management



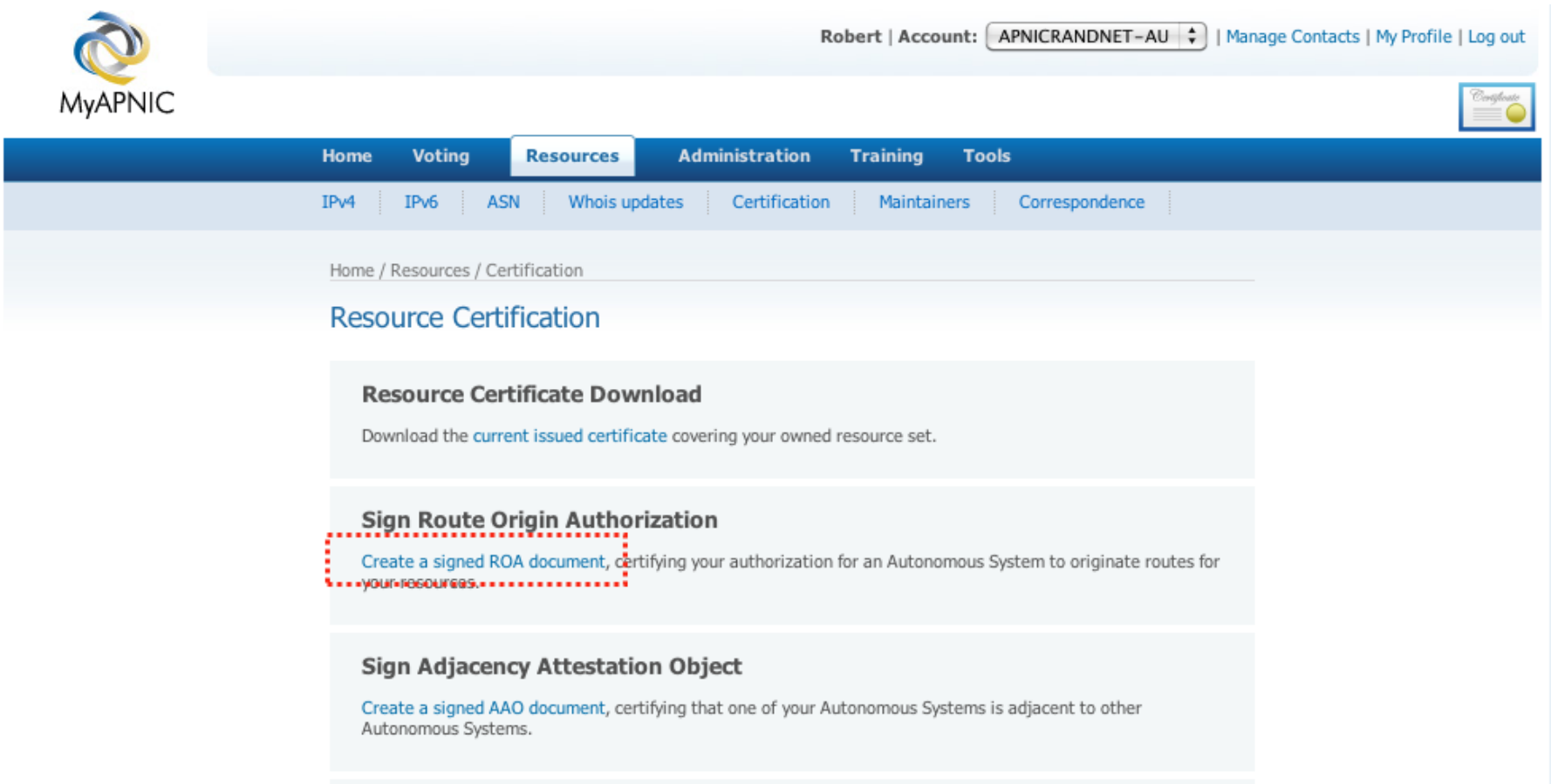
Activate Certification



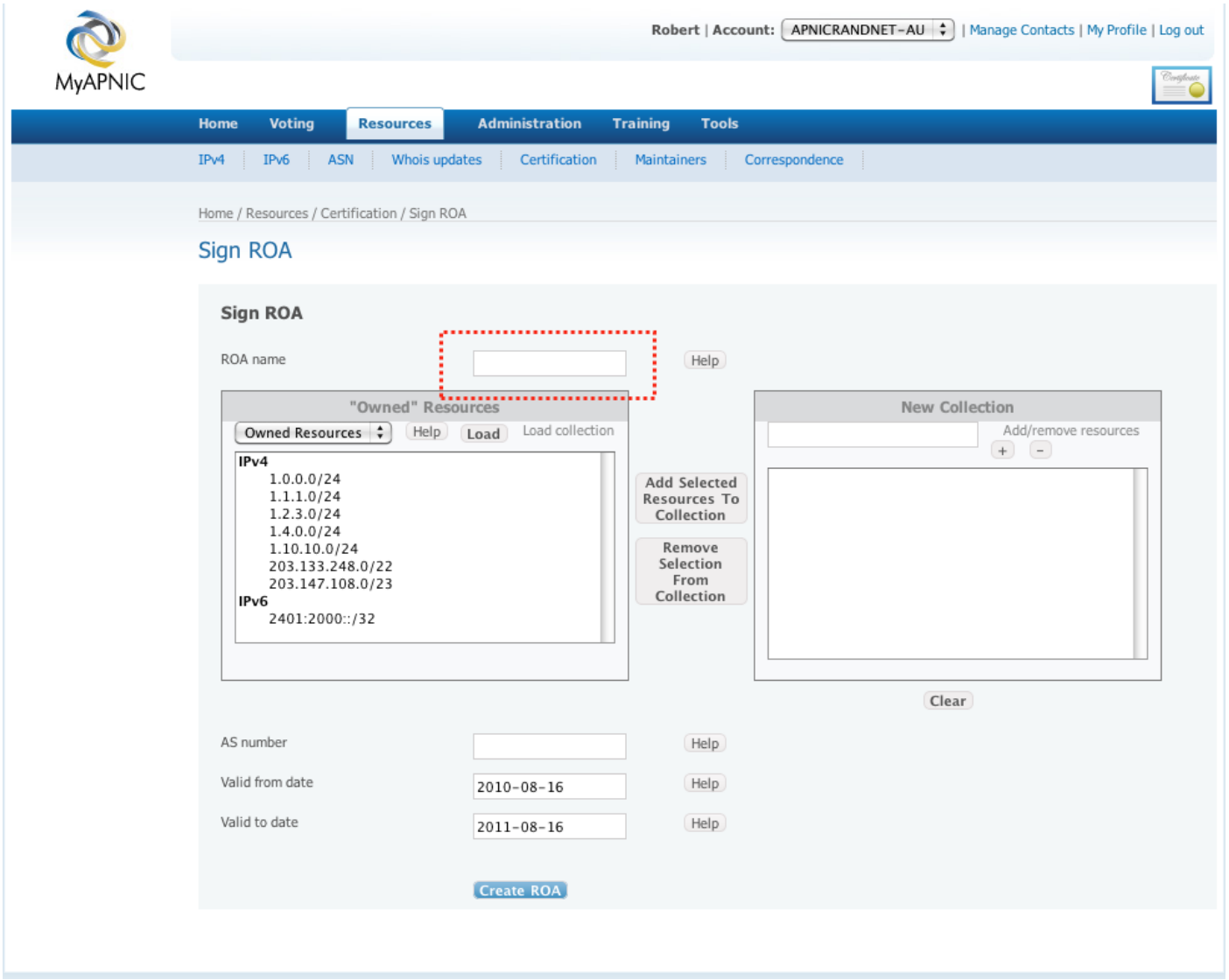
Service Activated



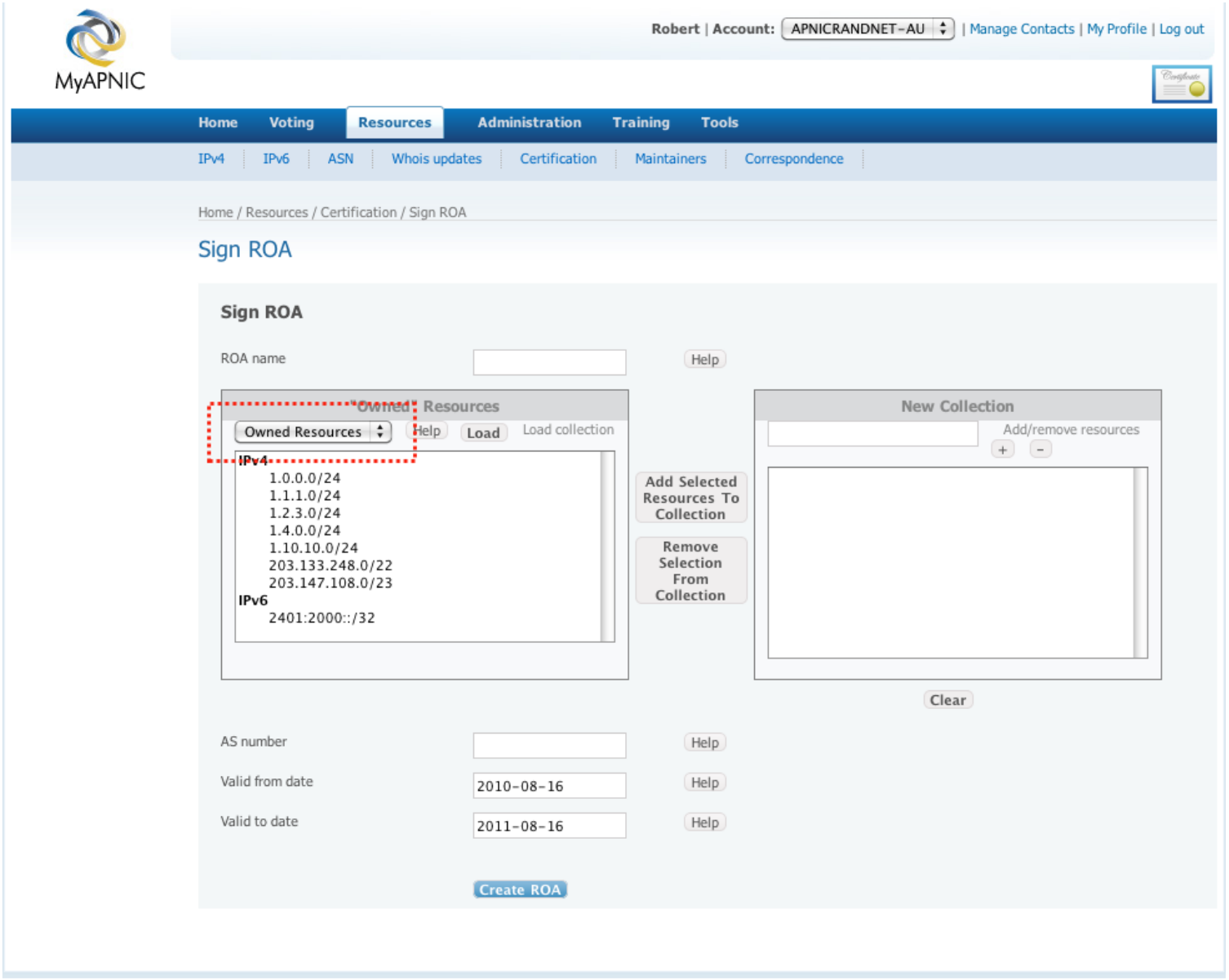
Create Route Origin Authorization



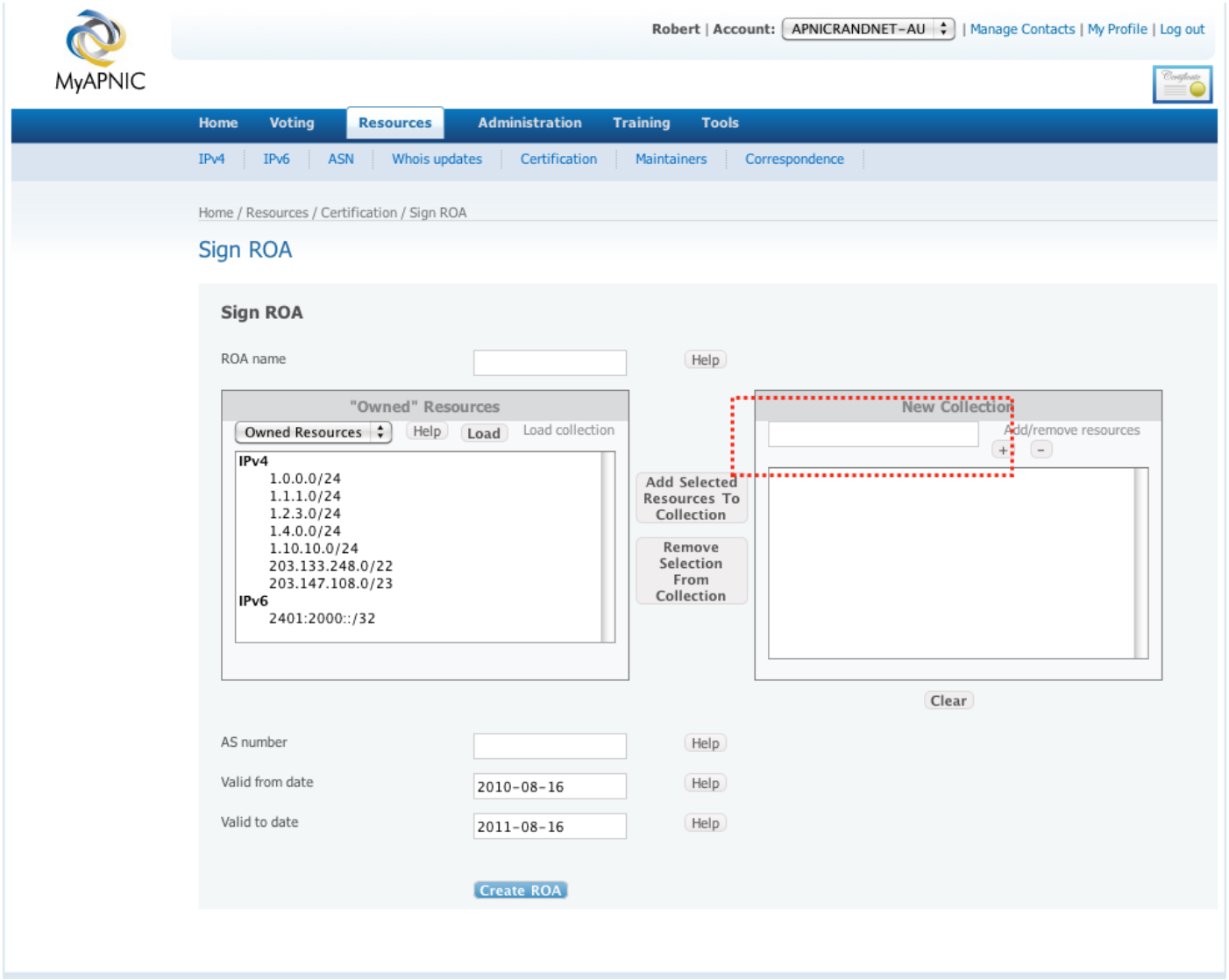
Name ROA


MyAPNIC
Robert | Account: APNICRANDNET-AU | Manage Contacts | My Profile | Log out
Home Voting Resources Administration Training Tools
IPv4 IPv6 ASN Whois updates Certification Maintainers Correspondence
Home / Resources / Certification / Sign ROA
Sign ROA
Sign ROA
ROA name
Help
"Owned" Resources
Owned Resources
Help
Load
Load collection
IPv4
1.0.0.0/24
1.1.1.0/24
1.2.3.0/24
1.4.0.0/24
1.10.10.0/24
203.133.248.0/22
203.147.108.0/23
IPv6
2401:2000::/32
Add Selected Resources To Collection
Remove Selection From Collection
New Collection
Add/remove resources
Clear
AS number
Help
Valid from date
2010-08-16
Help
Valid to date
2011-08-16
Help
Create ROA

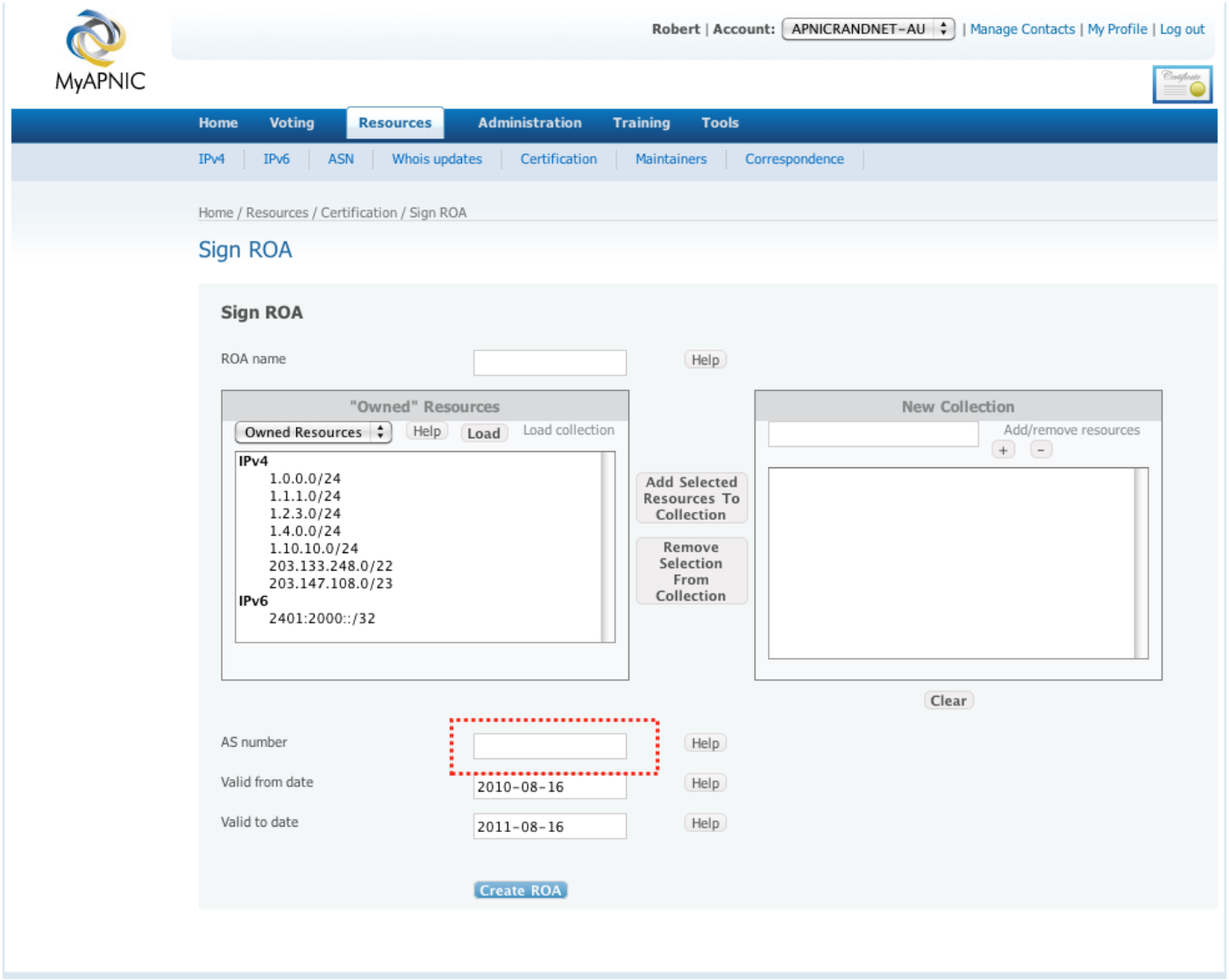
Add Resources



Add Resources



Add AS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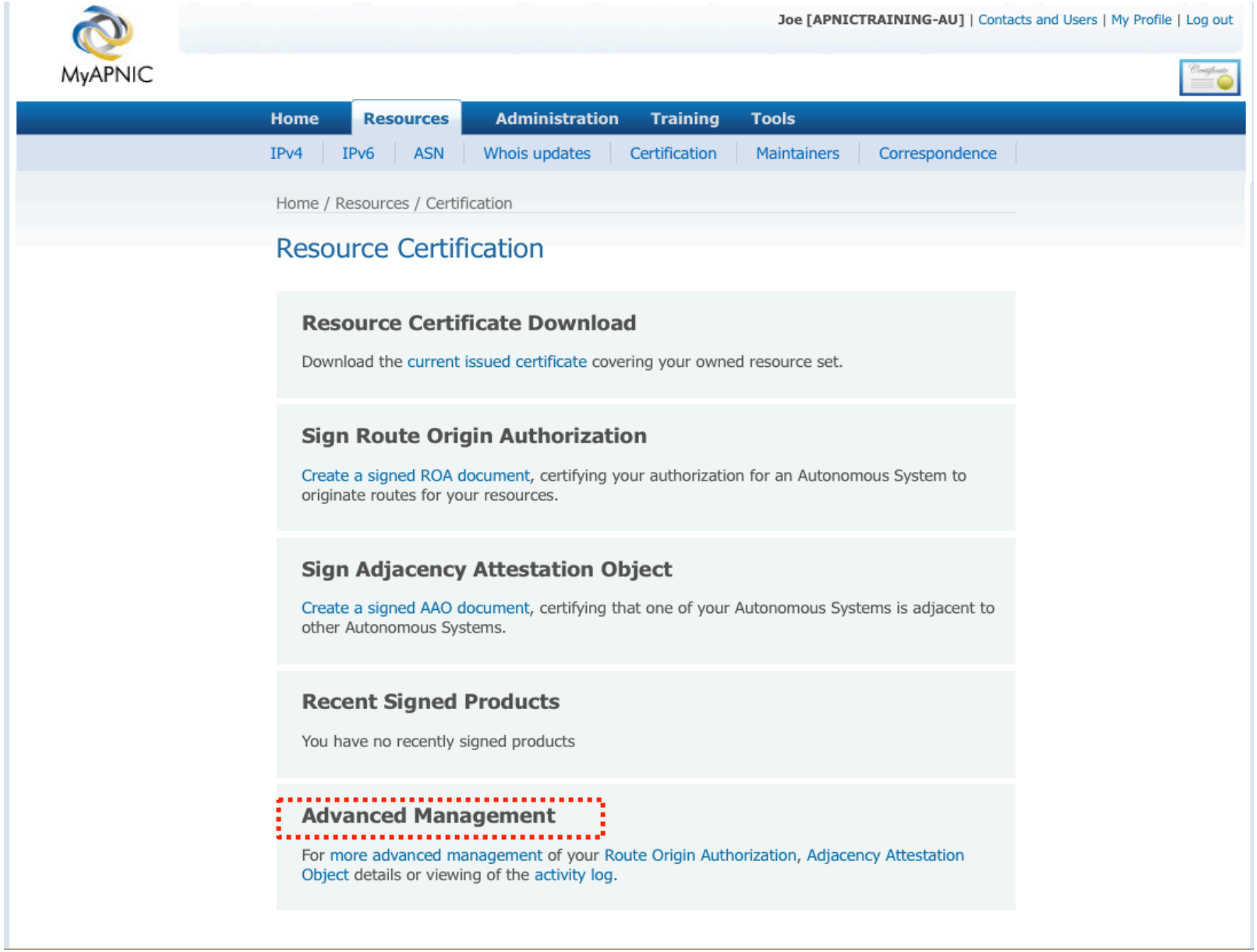
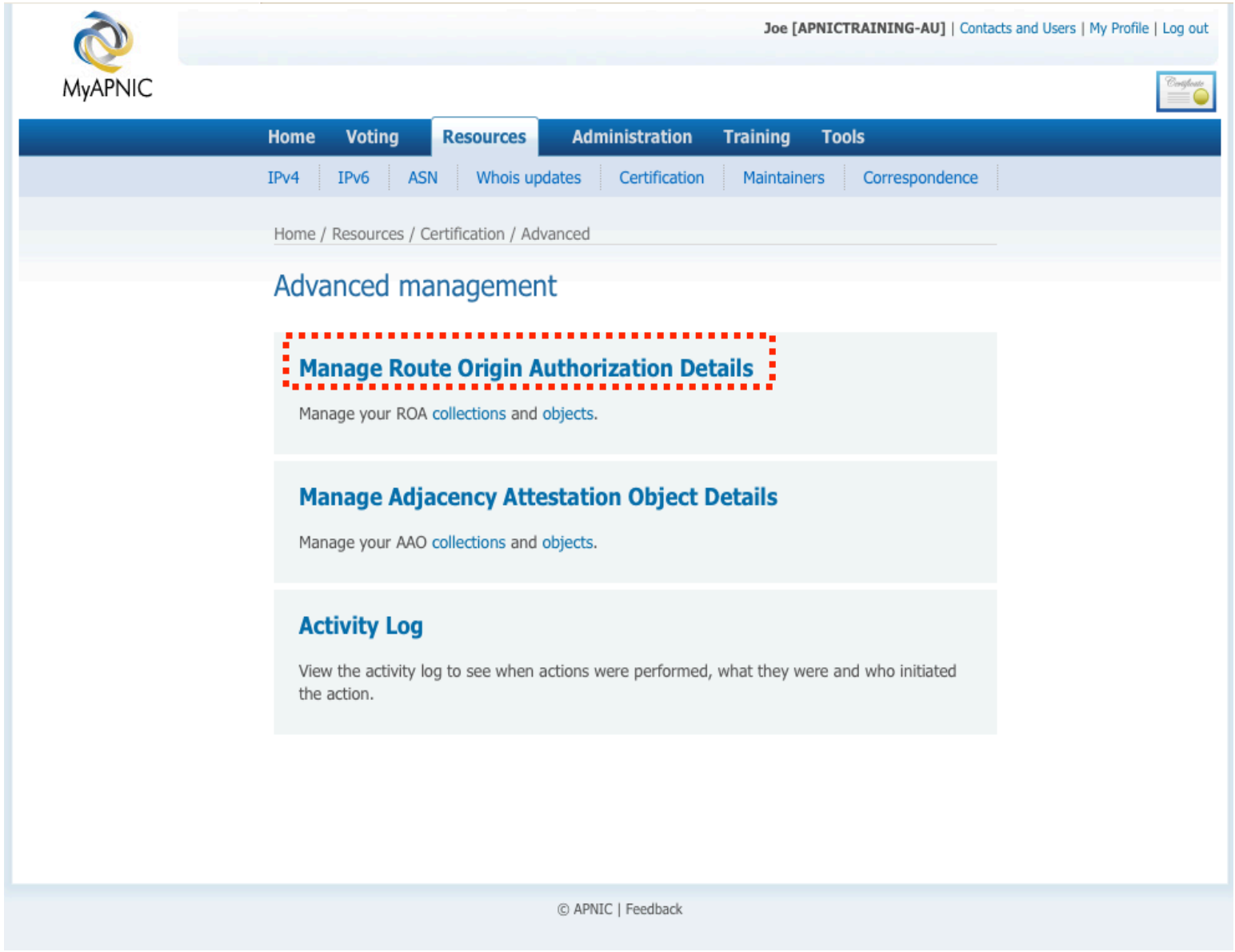
Home / Resources / Certification / Sign ROA
Sign ROA
Sign ROA
ROA name
Help
"Owned" Resources
Owned Resources
Help
Load
Load collection
IPv4
1.0.0.0/24
1.1.1.0/24
1.2.3.0/24
1.4.0.0/24
1.10.10.0/24
203.133.248.0/22
203.147.108.0/23
IPv6
2401:2000::/32
Add Selected Resources To Collection
Remove Selection From Collection
New Collection
Add/remove resources
Clear
AS number
Help
Valid from date
2010-08-16
Help
Valid to date
2011-08-16
Help
Create ROA

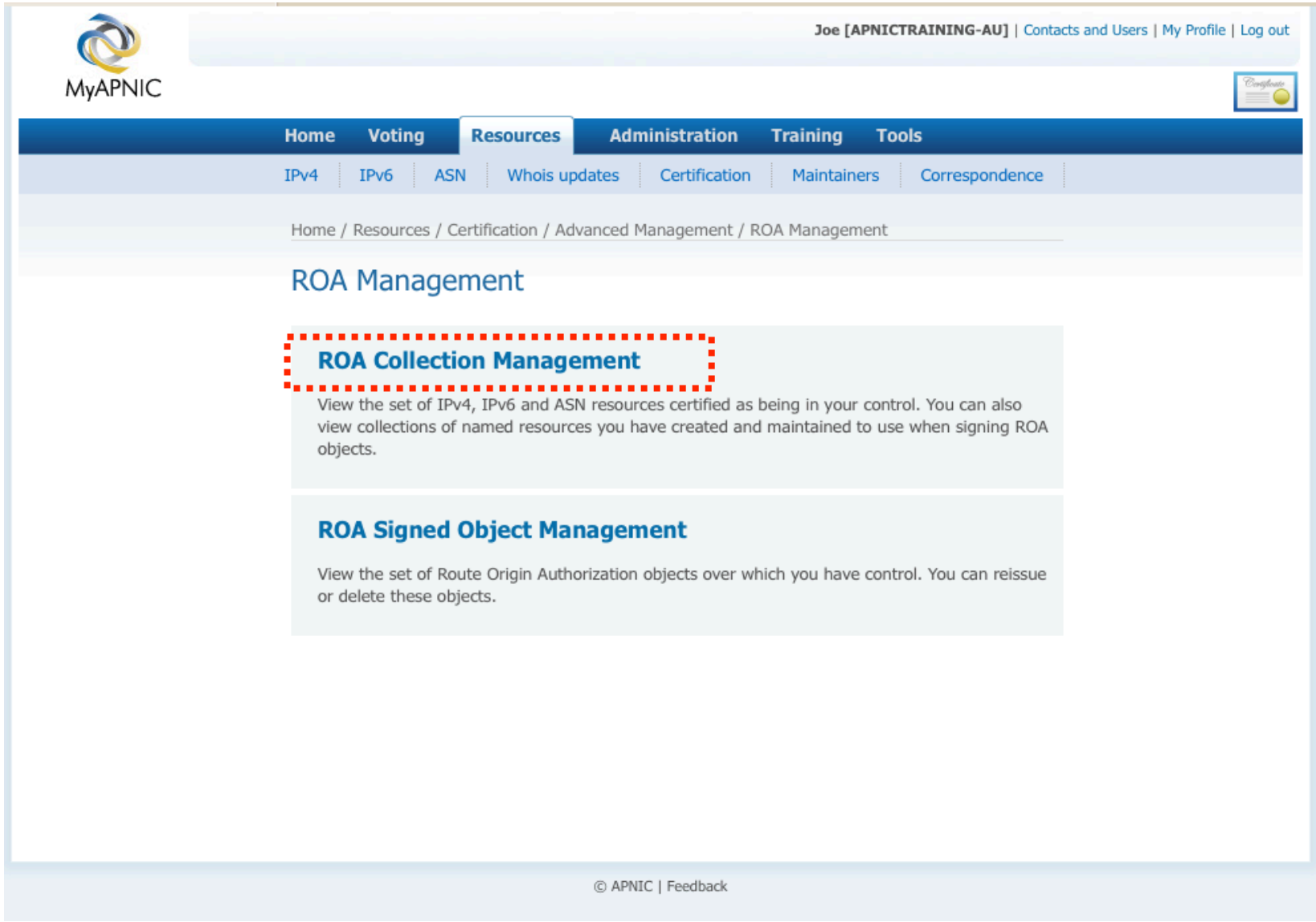
Advanced Management



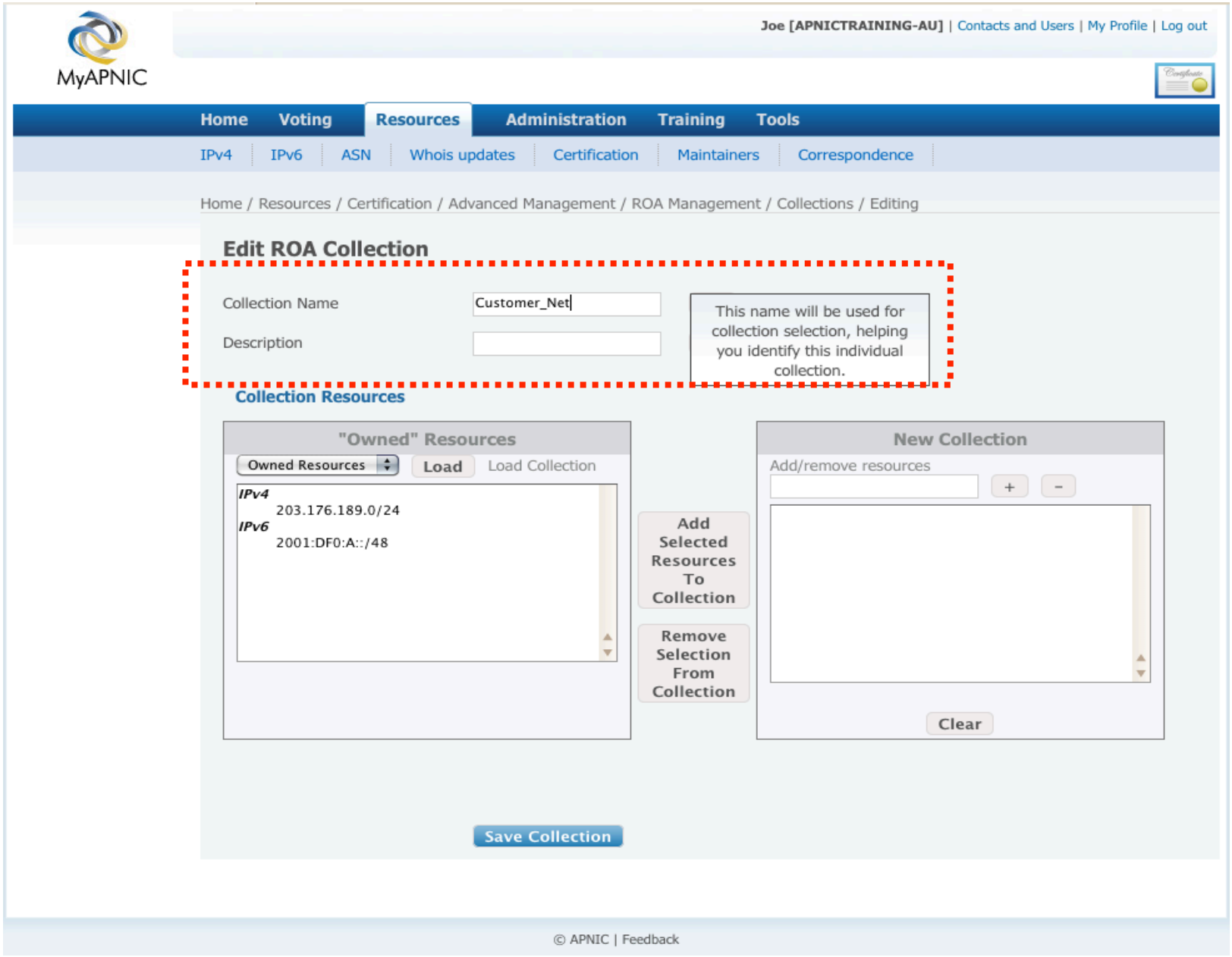
Route Origin Authorization (ROA)



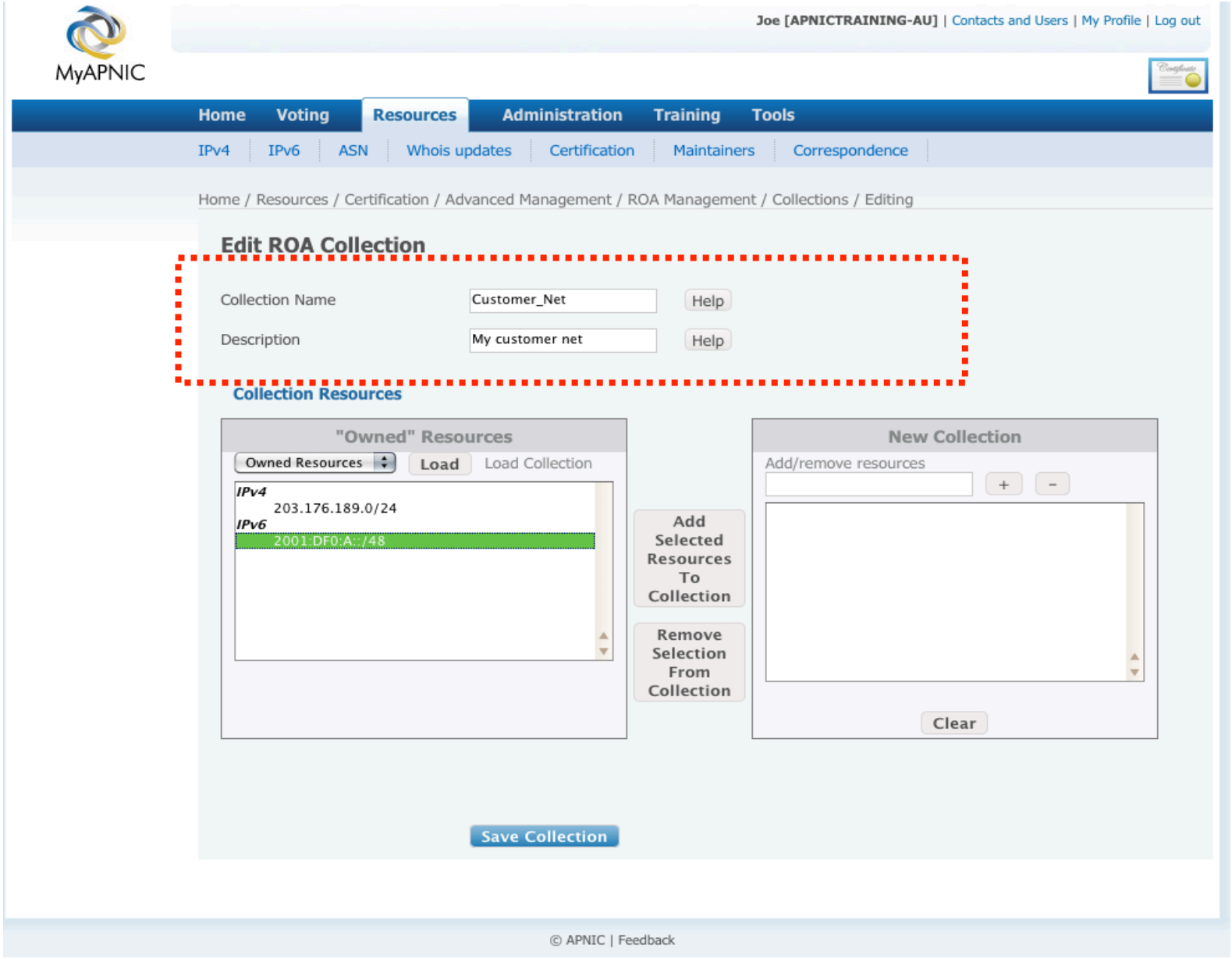
ROA Collection Management



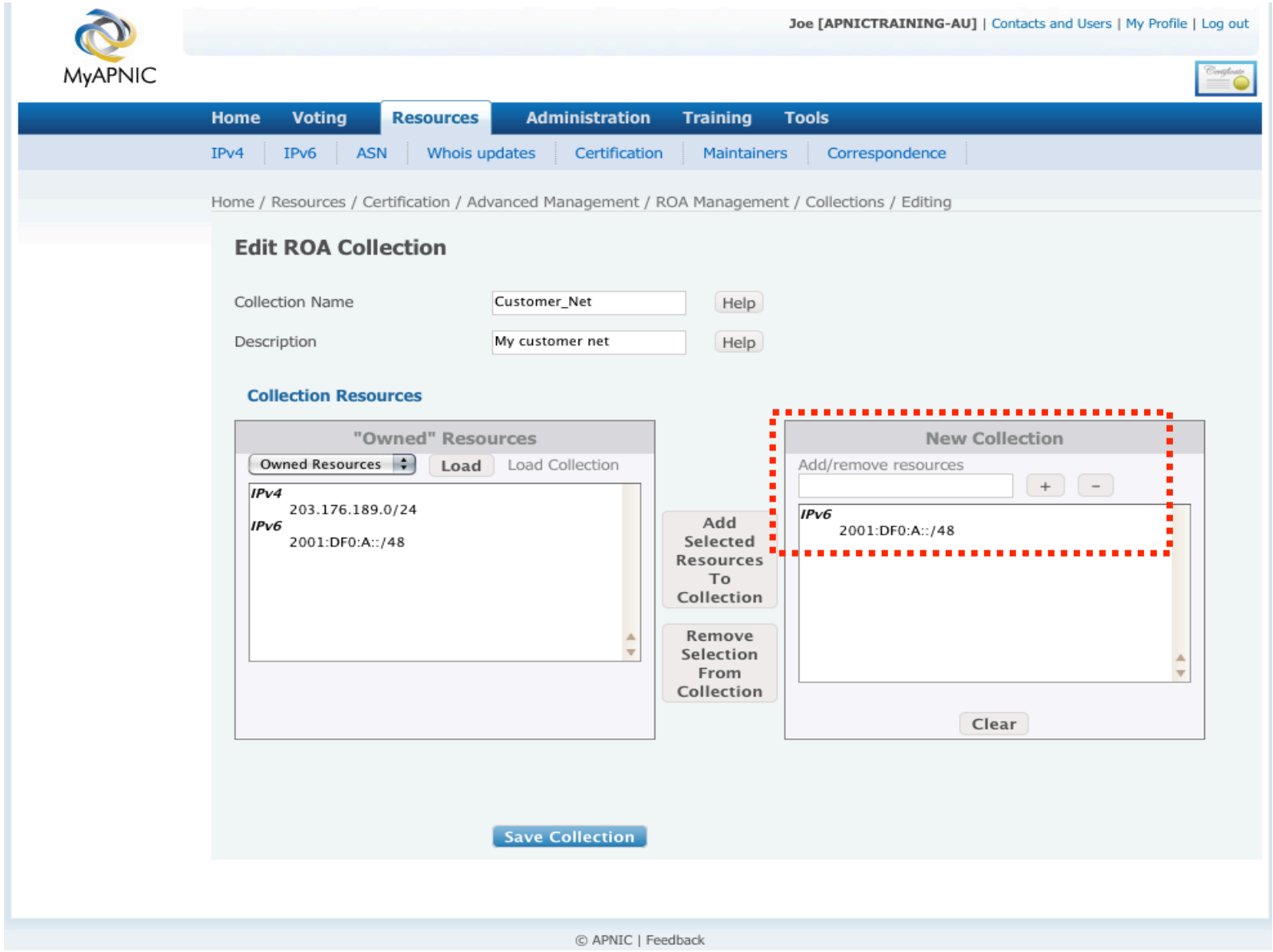
Add ROA Collection



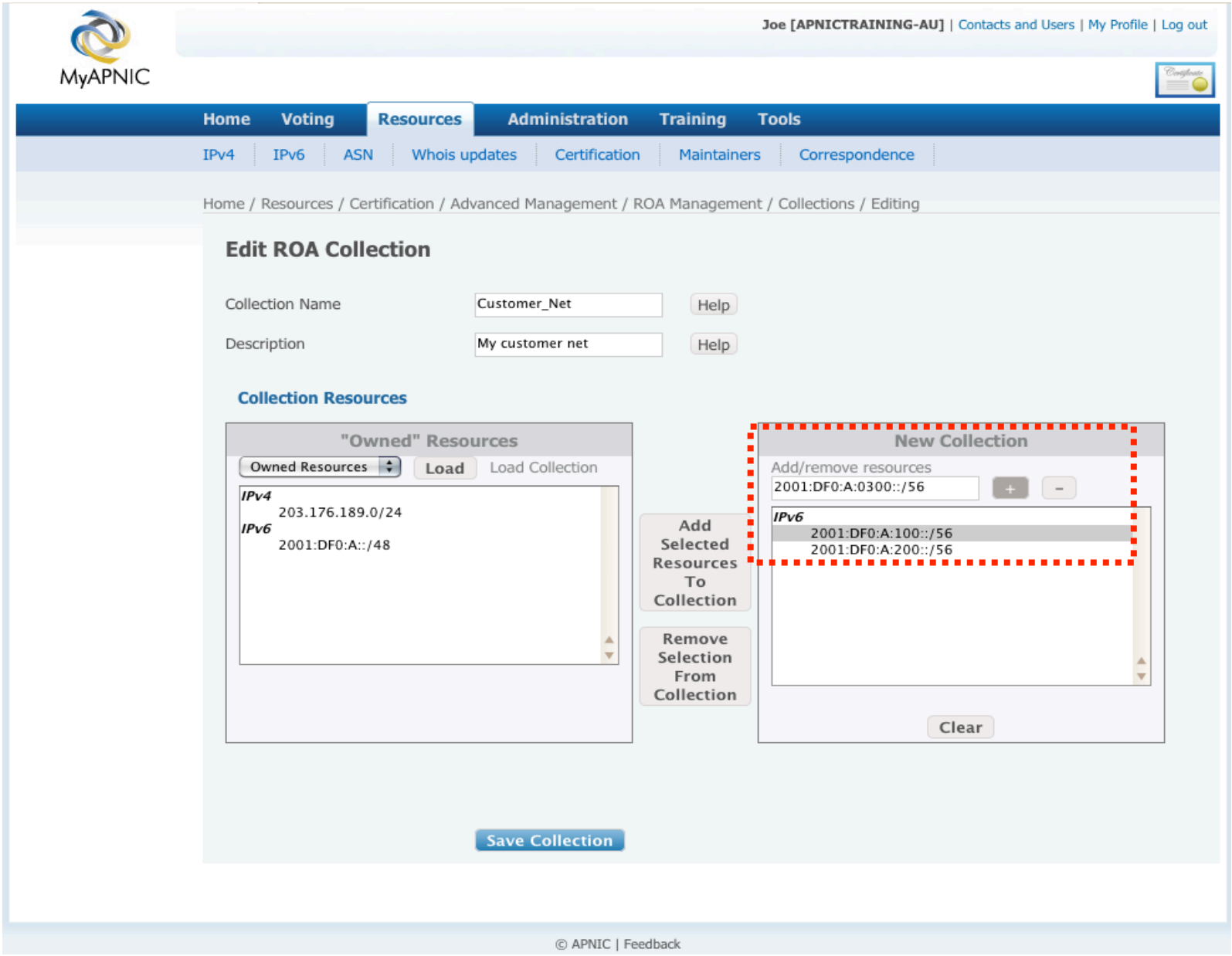
Add ROA Collection



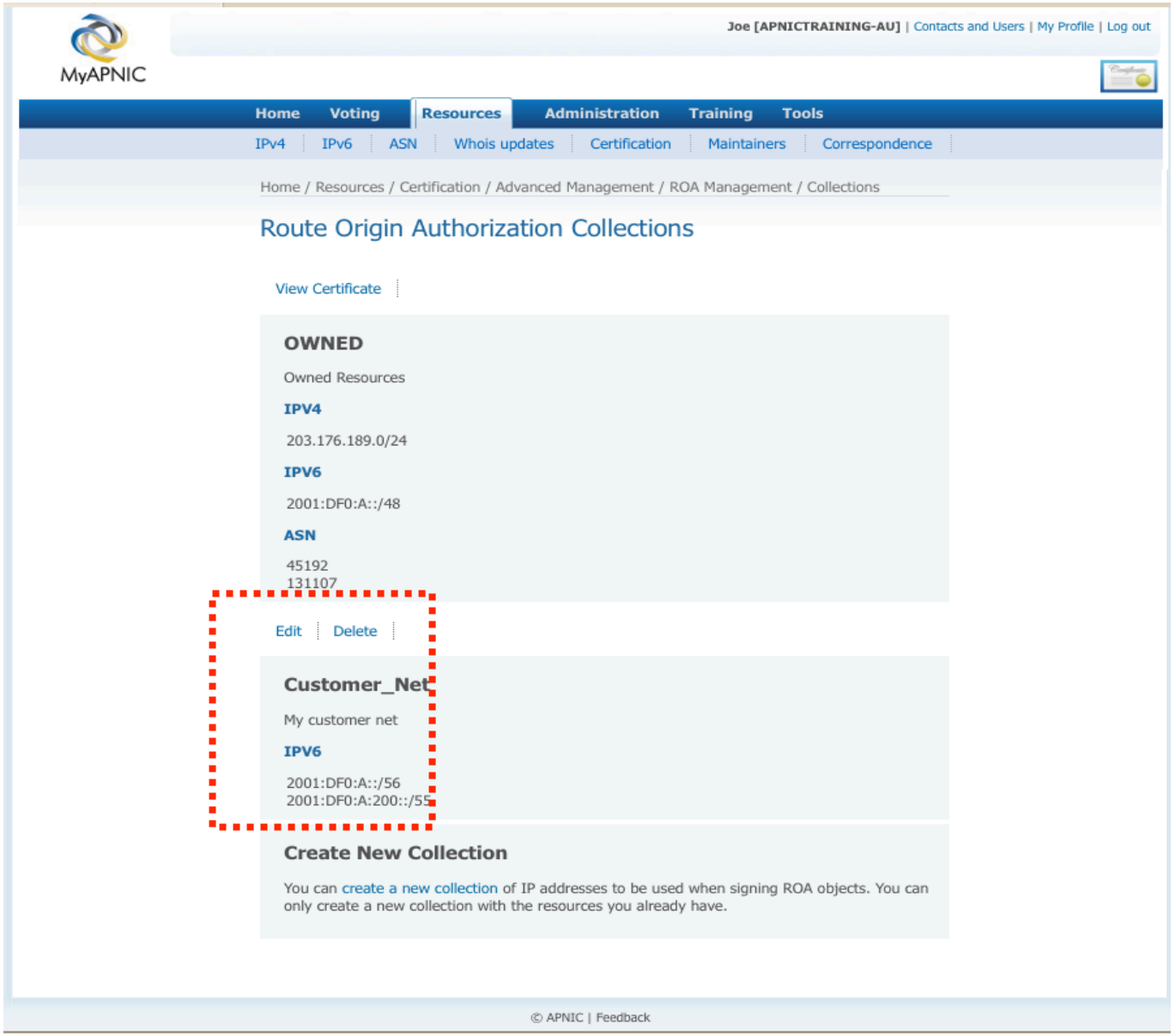
Add ROA Collection



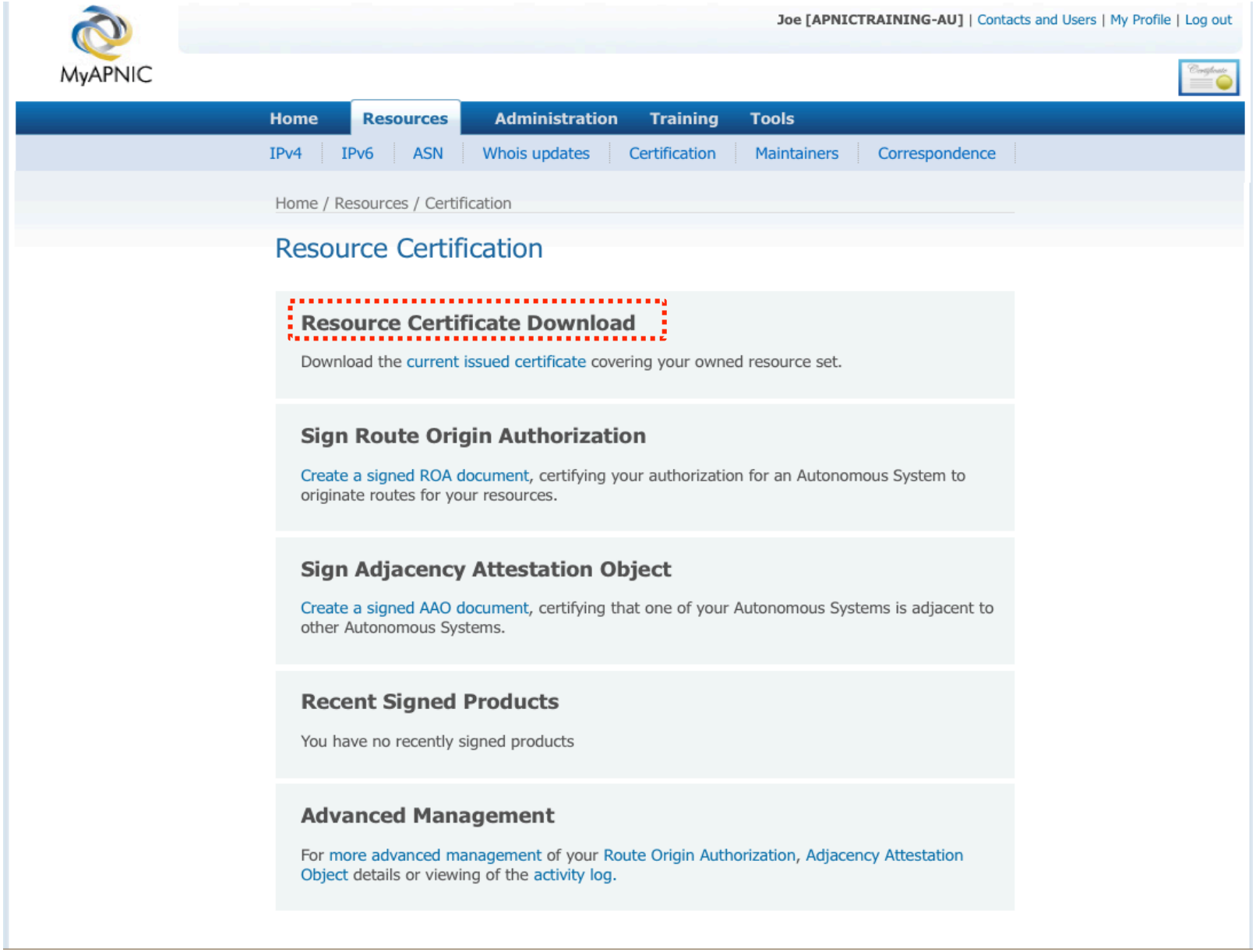
Add/Remove Resources



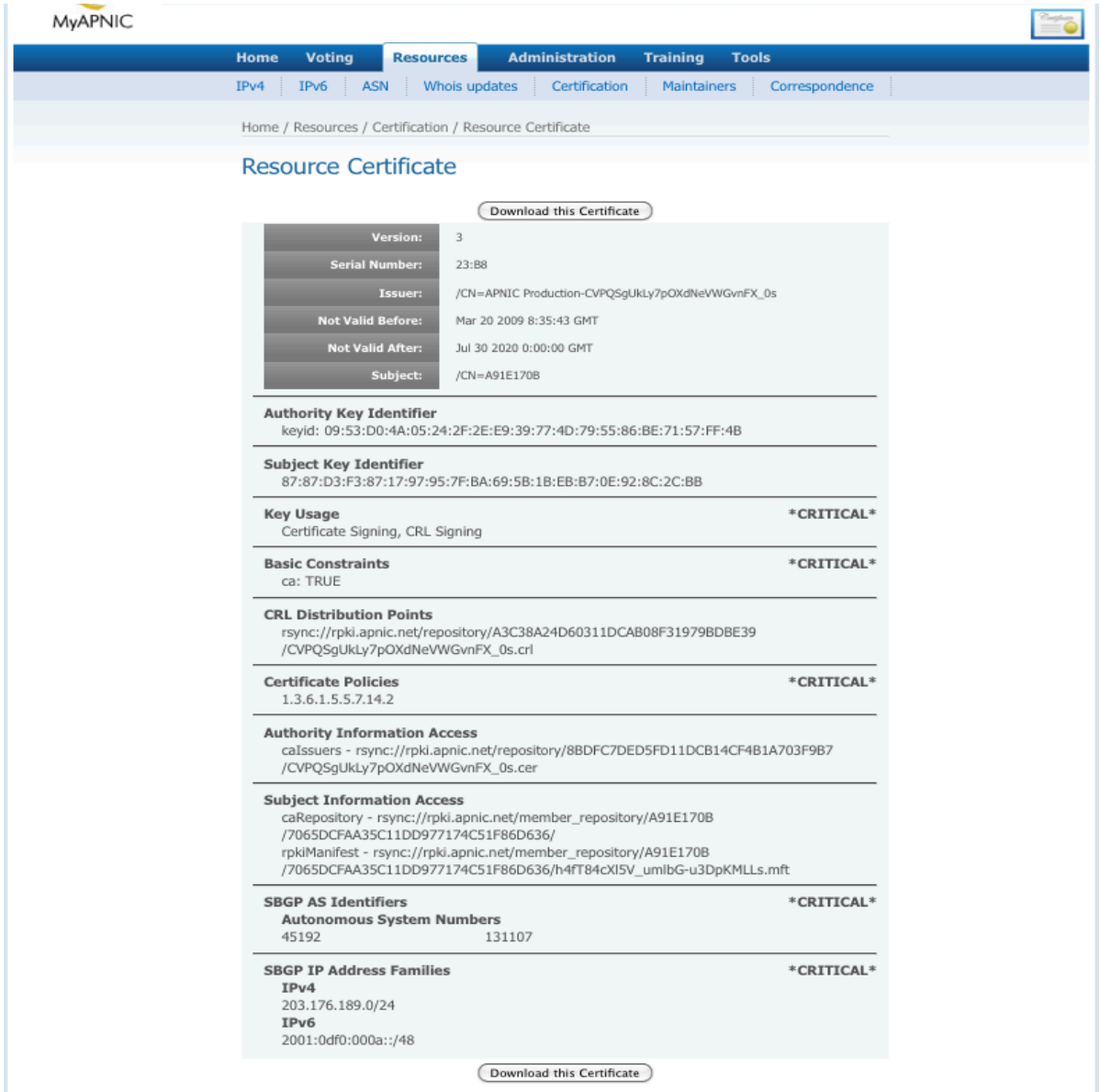
View & Update Collections



Download Certificate



Download Certificate



Future

- “General purpose” signer
- Verifier

General Purpose Signer

- MyAPNIC only
- Upload a file
- Download
  - a detached signature
  - a signed package

Verifier

- Public website
- Upload
  - a file and signature
  - signed package
  - signed object (ROA, etc.)
- Verify signature
- Show certified resource details
- Download package payload

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Questions?

Thank You!

RobertL@apnic.net