

# TNE30024

## Digital Certificates

### Tutorial 3 (week 4)

#### Questions

1. What is the certification path for swin.edu.au?
2. What is the certification path for qantas.com.au?
3. You have been given the following four certificates. Answer the following questions regarding them:
  - a. What Canonical Names do the certificates verify?
  - b. Which is the root certificate?
  - c. Which are intermediate certificates?
  - d. Which is the leaf certificate?
  - e. What is the certificate verification path?
  - f. Are these public or private certificates?

You will need to use a certificate viewer to determine the relevant fields. You should have one installed on your PC. If not you can use an online viewer such as

<https://www.sslchecker.com/certdecoder>

#### Certificate 1

```
-----BEGIN CERTIFICATE-----
MIIDezCCAmOgAwIBAgIUdx5koldD8BJ0tzzfKW9HHO35QkcwDQYJKoZIhvcNAQEL
BQAwTTElMAkGA1UEBhMCQVUxDDAKBgNVBAGMA1ZpYzESMBAGA1UEBwwJTWVVsYm91
cm5lMQ0wCwYDVQQKDARSb290MQ0wCwYDVQQDDARSb290MB4XDTI0MDUyMDA1NTA1
OFoXDTI1MDUyMDA1NTA1OFowTTElMAkGA1UEBhMCQVUxDDAKBgNVBAGMA1ZpYzES
MBAGA1UEBwwJTWVVsYm91cm5lMQ0wCwYDVQQKDARSb290MQ0wCwYDVQQDDARSb290
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-----END CERTIFICATE-----
```

#### Certificate 2

```
-----BEGIN CERTIFICATE-----
MIIDWDCCAkCgAwIBAgIJBjANBgkqhkiG9w0BAQsFAADBMQswCQYDVQQGEwJBVTEM
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```

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-----END CERTIFICATE-----

### Certificate 3

-----BEGIN CERTIFICATE-----

MIID2TCCAsGgAwIBAgIBFDANBgkqhkiG9w0BAQsFADBSMQswCQYDVQQGEwJBVTEM  
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-----END CERTIFICATE-----

### Certificate 4

-----BEGIN CERTIFICATE-----

MIIDTCCAJQCARQwDQYJKoZIhvcNAQELBQAwQzELMAkGA1UEBhMCQVUxDDAKBgNV  
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-----END CERTIFICATE-----