Report on Weak Keys in Metadata

Each of the organizations listed below has one or more entities in metadata that contain a certificate with a weak key (1024 bits). These entities, whose entity IDs are shown below, will be **removed from metadata on February 28, 2013** unless the weak key is migrated out of metadata beforehand. If you need to apply for an extension beyond February 28, see the Upgrading Weak Keys in Metadata wiki page for further instructions.

1. **Apple Computer, Inc.**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:apple.com	IDPSSODescriptor	signing	4B:62:D4:03:52:77:9E:64:4C:10:2E:DC:07:05:45:3F:A2:0D:43:16
urn:mace:incommon:apple.com	AADescriptor	signing	4B:62:D4:03:52:77:9E:64:4C:10:2E:DC:07:05:45:3F:A2:0D:43:16

2. **Carleton College**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:carleton.edu	IDPSSODescriptor	signing	A8:C5:AF:86:14:1A:DB:AB:88:A4:84:BA:0E:0B:2B:A3:56:9A:03:D5
urn:mace:incommon:carleton.edu	AADescriptor	signing	A8:C5:AF:86:14:1A:DB:AB:88:A4:84:BA:0E:0B:2B:A3:56:9A:03:D5

3. **NG Web Solutions**

Entity ID	Role	Use	SHA1 Fingerprint
https://federation.nelnet.net	SPSSODescriptor	multi-use	D7:6B:76:B6:4A:41:CA:AD:B6:0C:DB:93:11:D6:B1:A8:8D:81:4C
https://federation.ngwebsolutions.com	SPSSODescriptor	multi-use	41:02:80:72:89:2E:F2:E6:15:E3:77:34:36:7F:21:3C:94:00:0E:B7

4. **New York University**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:nyu.edu	IDPSSODescriptor	signing	45:03:0D:D8:4A:AE:E6:05:66:E3:50:34:E6:5D:ED:EB:89:B6:44:1C

5. **Northern Arizona University**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:nau.edu	IDPSSODescriptor	signing	63:A8:E5:72:CC:5C:E5:5A:7B:04:8E:BA:BA:8C:95:98:98:B7:36
urn:mace:incommon:nau.edu	AADescriptor	signing	63:A8:E5:72:CC:5C:E5:5A:7B:04:8E:BA:BA:8C:95:98:98:B7:36
https://alfresco.nau.edu/shibboleth	SPSSODescriptor	multi-use	90:B6:52:52:F4:C1:CF:97:F1:93:55:CE:C3:48:B7:06:53:D0:28:
https://confluence.nau.edu/shibboleth	SPSSODescriptor	multi-use	A7:6C:A3:9B:3E:8A:3E:C8:75:02:45:C9:B2:2D:1C:A7:B0:D2:1
https://dev-alfresco.nau.edu/shibboleth	SPSSODescriptor	multi-use	84:D3:81:D9:93:44:DA:42:58:63:29:E0:AC:85:1D:29:30:14:3B:

6. **ProQuest LLC**

Entity ID	Role	Use	SHA1 Fingerprint
https://shibboleth.chadwyck.co.uk/shibboleth-sp	SPSSODescriptor	multi-use	AA:7B:C9:0A:54:49:57:C5:D6:97:E5:D2:DF:BD:70:62:

7. **Ramapo College of New Jersey**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:ramapo.edu	IDPSSODescriptor	signing	5F:4A:0E:9C:4E:98:BA:5F:9F:5B:5E:00:2B:85:5E:25:84:BC:84:93
urn:mace:incommon:ramapo.edu	AADescriptor	signing	5F:4A:0E:9C:4E:98:BA:5F:9F:5B:5E:00:2B:85:5E:25:84:BC:84:93

8. **University of Findlay**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:findlay.edu	IDPSSODescriptor	signing	98:25:AC:58:63:A0:DE:8A:EE:93:91:99:6F:A3:A1:23:C5:13:AC:CB
urn:mace:incommon:findlay.edu	AADescriptor	signing	98:25:AC:58:63:A0:DE:8A:EE:93:91:99:6F:A3:A1:23:C5:13:AC:CB

9. **University of Washington**

Entity ID	Role	Use	SHA1 Fingerprint
urn:mace:incommon:washington.edu	IDPSSODescriptor	signing	0F:73:49:C8:04:C5:F1:9A:6C:D6:36:F7:38:04:8B:66:87:CF:3A:21
urn:mace:incommon:washington.edu	AADescriptor	signing	0F:73:49:C8:04:C5:F1:9A:6C:D6:36:F7:38:04:8B:66:87:CF:3A:21

10. **Washington University in St. Louis**

Entity ID	Role	Use	SHA1 Fingerprint
https://acadinfo.wustl.edu/shibboleth-sp	SPSSODescriptor	multi-use	5B:00:C8:A5:06:AD:82:6B:3D:88:A7:55:5D:14:14:02
https://connect.wustl.edu/shibboleth-sp	SPSSODescriptor	signing	CC:A5:16:FB:1C:13:74:57:54:3B:65:15:46:BD:0C:9/
https://ehsaweb.wusm.wustl.edu/shibboleth-sp	SPSSODescriptor	multi-use	71:10:9C:66:A2:FD:71:43:79:CA:40:4B:03:CA:42:8E
https://istbilling.wustl.edu/selfservice/shibboleth-sp	SPSSODescriptor	multi-use	F6:FC:83:84:75:02:34:40:7A:D9:D1:4B:56:6C:6E:A5
https://istest.wustl.edu/shibboleth-sp	SPSSODescriptor	multi-use	63:CB:5F:B7:D2:8A:C6:41:7A:61:62:1E:0C:FB:4B:D
https://telesis.wustl.edu/shibboleth-sp	SPSSODescriptor	multi-use	5B:00:C8:A5:06:AD:82:6B:3D:88:A7:55:5D:14:14:02