

# X.509 Files Decoding Support

| Description                                               | Keystroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Function                          | Note                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">X.509 File Support</a>                        | The following external package provides the ability to decode X.509 various file formats into human-readable text and ASN.1 format.<br> The <b>x509-mode</b> external package,  activated by <b>pel-use-x509-mode</b> user-option can decode various X.509 file.<br><br> PEL support for this package is minimal:it supports automated installation when the <b>pel-use-x509-mode</b> user-option is set to t.<br>PEL currently does not define any extra key binding for it. You must use the <b>M-x command</b> method to execute the appropriate command. |                                   |                                                                                                                                                                                                                                                                                                                                                        |
| Decode X.509 buffer into human-readable form              | M-x x509-dwim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | (x509-dwim)                       | Guess the type of object and call the corresponding X.509 view-function. <ul style="list-style-type: none"> <li>Look at -----BEGIN header for known object types. Then test different openssl commands until one succeeds. Call ‘x509-viewasn1’ as a last resort.</li> <li>The major mode for displaying OpenSSL output is <b>x509-mode</b></li> </ul> |
| Toggle x509 file display between human-readable and ASN.1 | t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (x509-toggle-mode &optional EDIT) |                                                                                                                                                                                                                                                                                                                                                        |
|                                                           | e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (x509-edit-params)                | Edit command parameters used to decode the X.509 data in current buffer.                                                                                                                                                                                                                                                                               |
| Kill current buffer                                       | q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (x509-mode-kill-buffer)           | Kill the current buffer                                                                                                                                                                                                                                                                                                                                |

## X.509 — References

| Description & URL                                   | Notes                                                                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">X.509 @ Wikipedia</a>                   | <ul style="list-style-type: none"> <li><a href="#">X.509 file extensions</a></li> </ul>                                                                                                                                  |
| <a href="#">OpenSSL Documentation @ openssl.org</a> | <ul style="list-style-type: none"> <li><a href="#">ossl-guide-libcrypto-introduction</a></li> <li><a href="#">OpenSSL commands</a> <ul style="list-style-type: none"> <li><a href="#">openssl</a></li> </ul> </li> </ul> |
| <a href="#">OpenSSL Command Utilities</a>           |                                                                                                                                                                                                                          |
| <a href="#">OpenSSL Command Line HOWTO</a>          |                                                                                                                                                                                                                          |