Fall2019 Cent OS 7 web server installation with a self signed certificate.

The presentation installs and checks the operation of a web server. Once the web server is installed, the presentation creates a self signed certificate and configures the web server to use ssl.

Preuss 12/6/2019

Cent OS 7 Settings on both systems

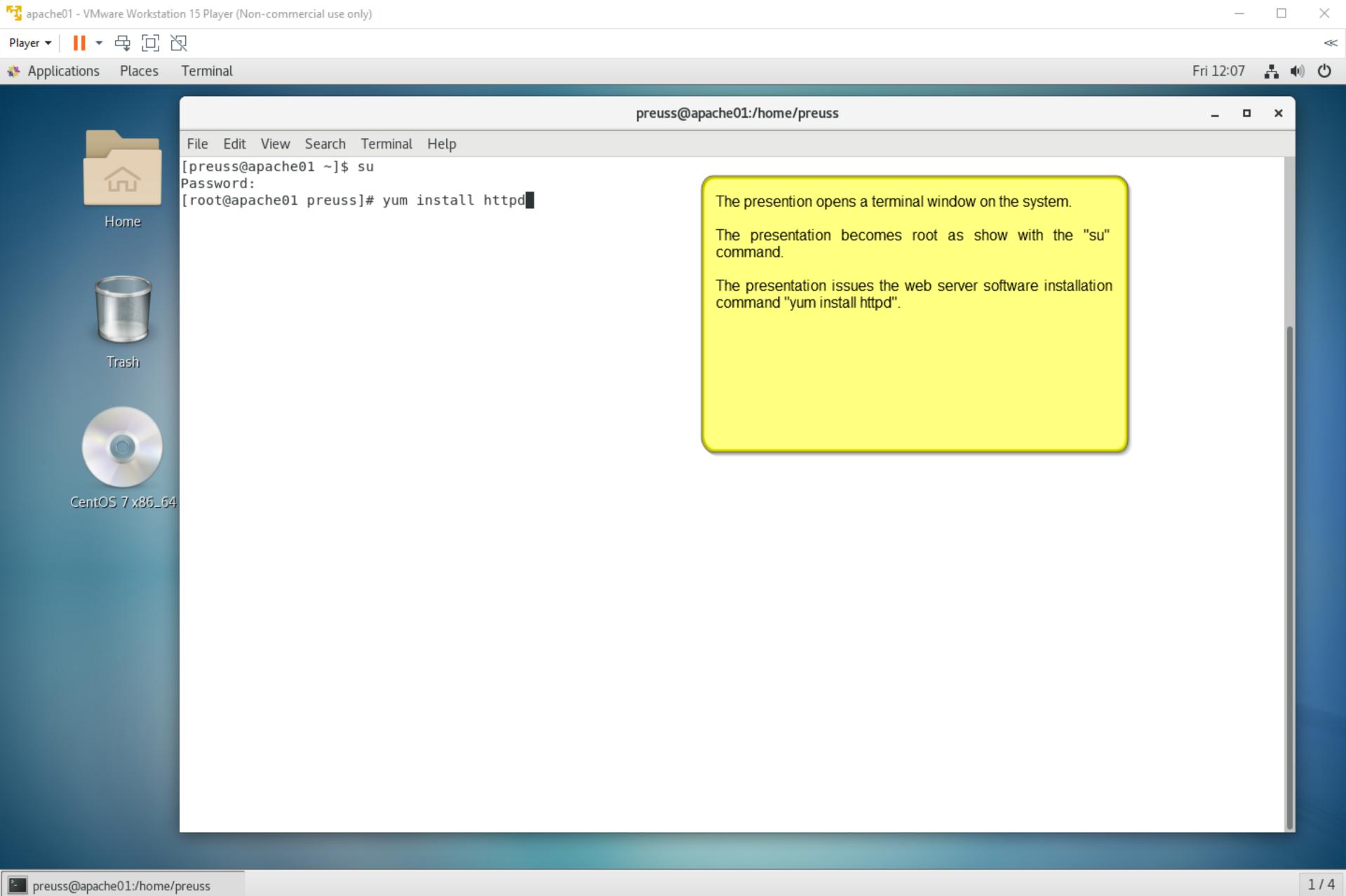
20 GB disk 8 GB RAM 2 Processors NAT Network Settings

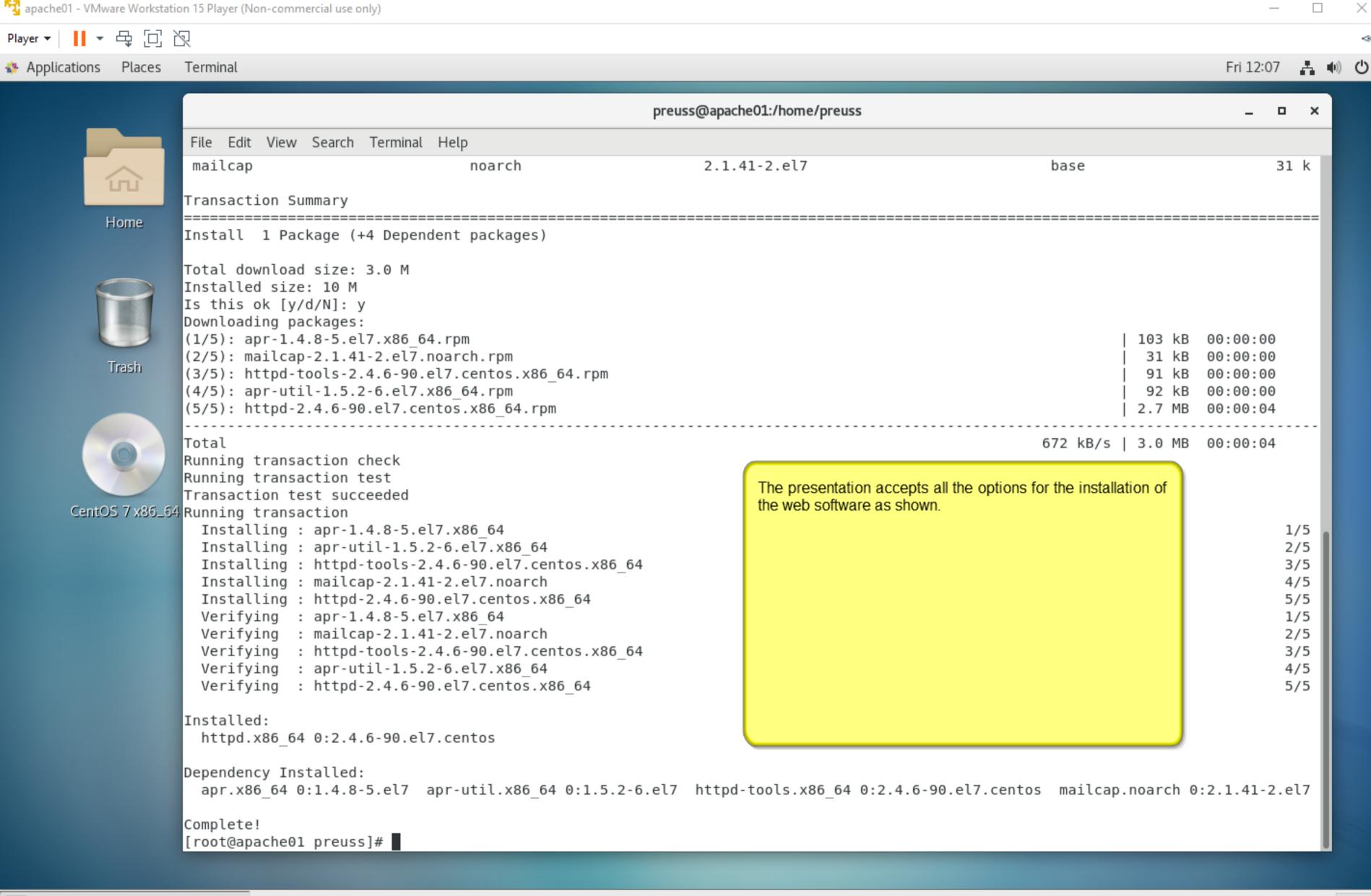
Software Install: Server with GUI (no additional software) Automatic partitioning No security policy chosen

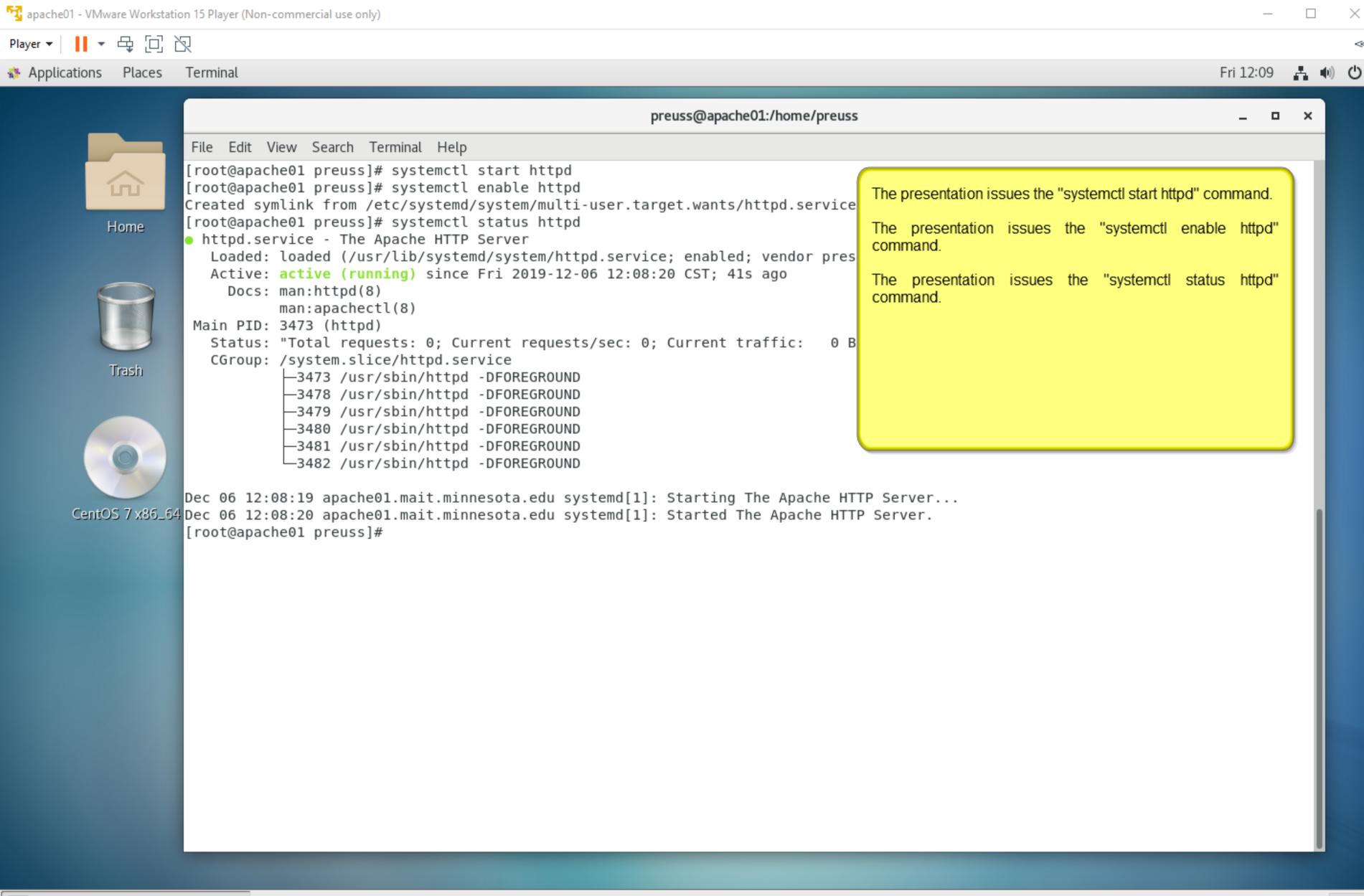
Post-Installation Install open-vm-tools Install updates

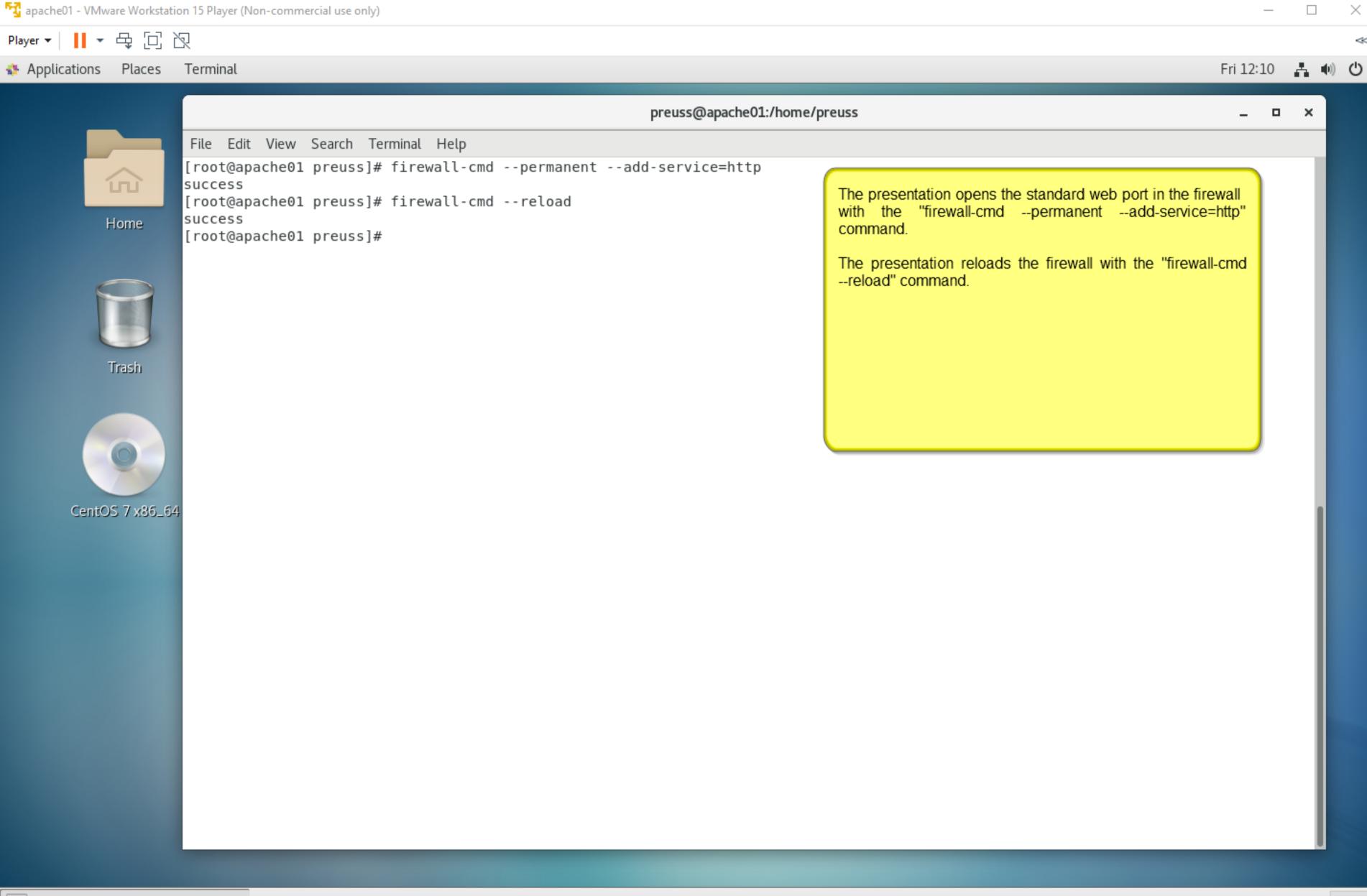
### Resource:

https://www.tecmint.com/install-apache-on-centos-7/ https://blog.canadianwebhosting.com/installing-self-signed-ssl-on-apache-with-centos-7/











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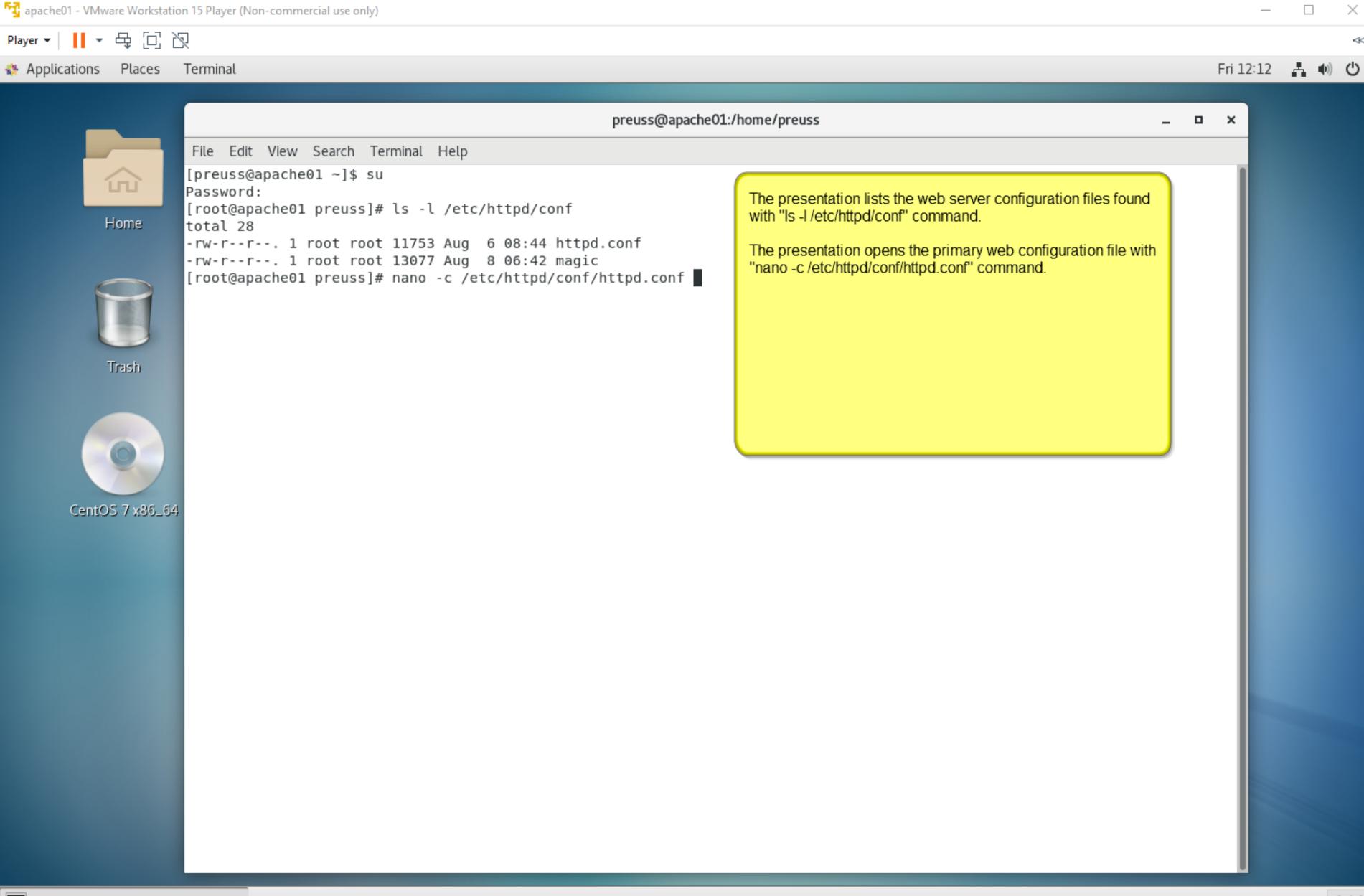
To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.

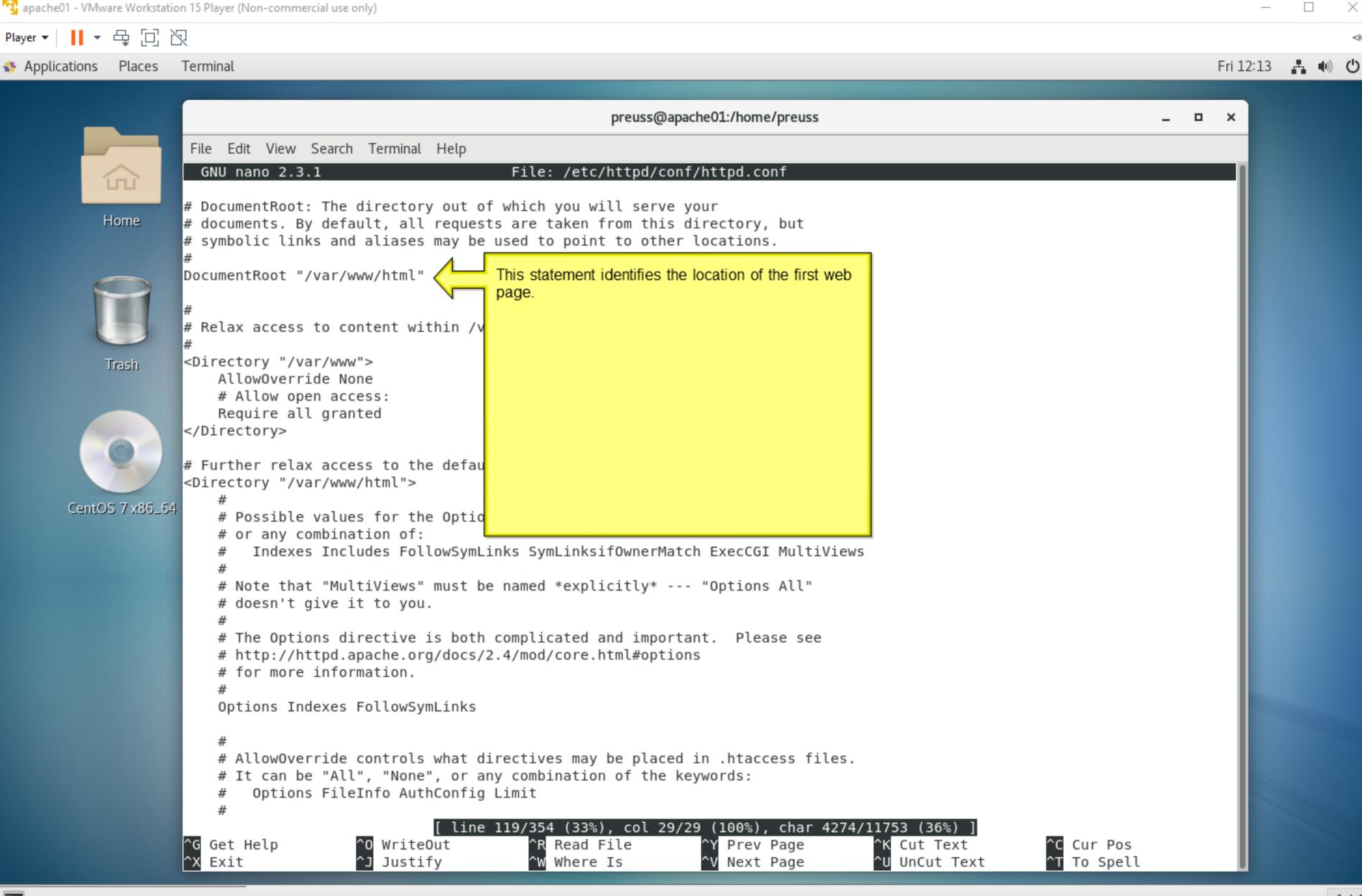
## Promoting Apache and CentOS

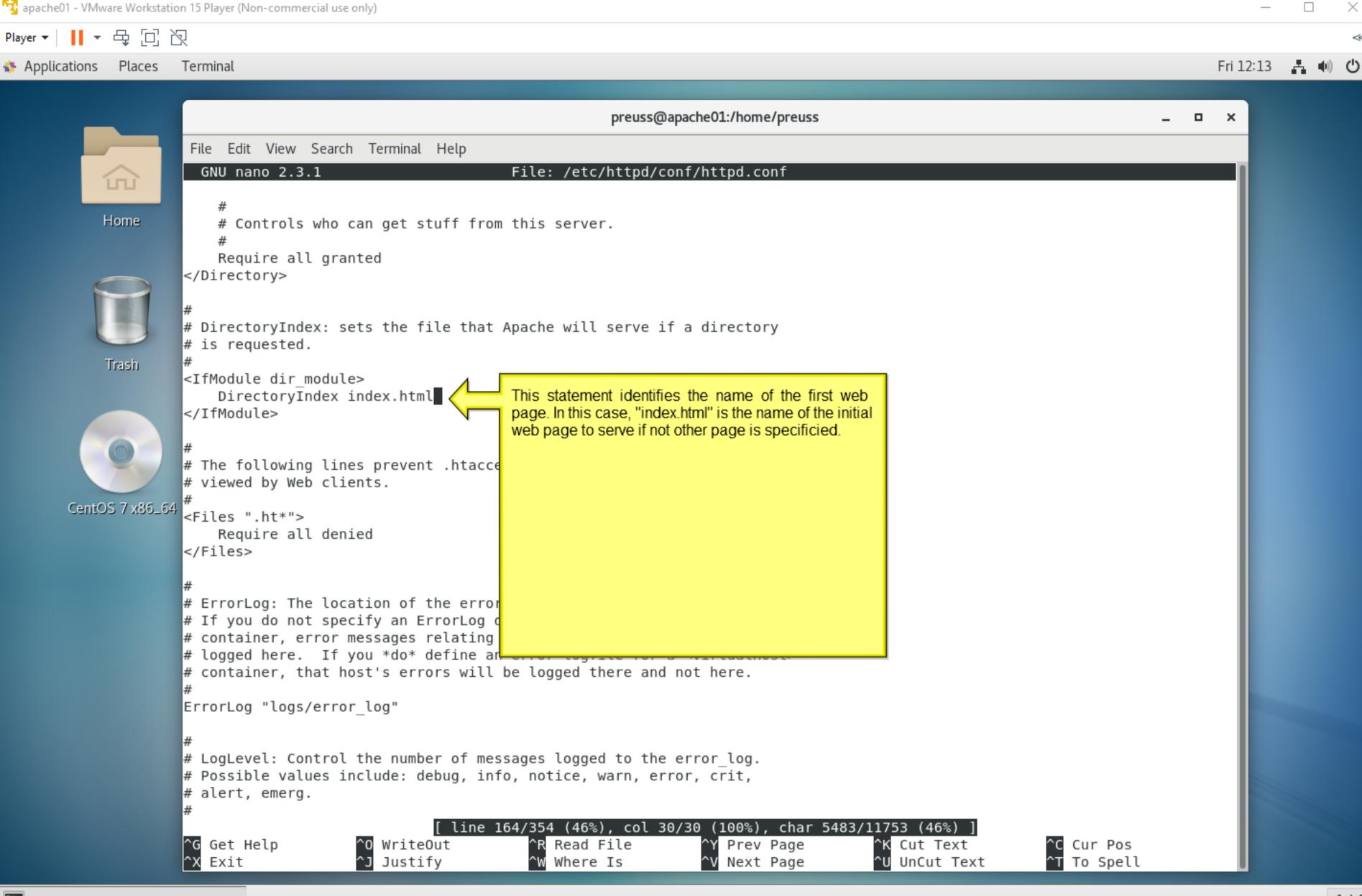
You are free to use the images below on Apache and CentOS Linux powered HTTP servers. Thanks for using Apache and CentOS!















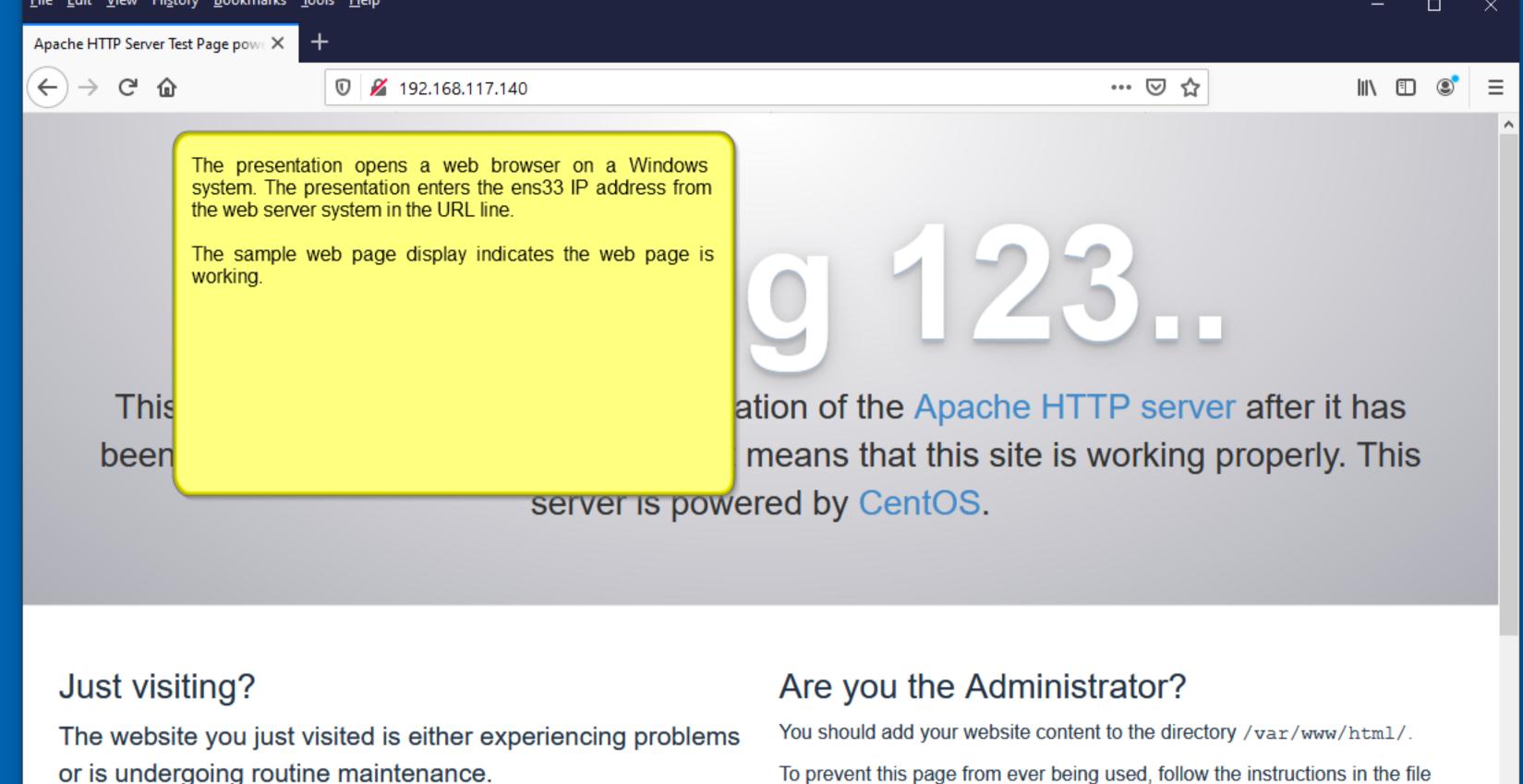












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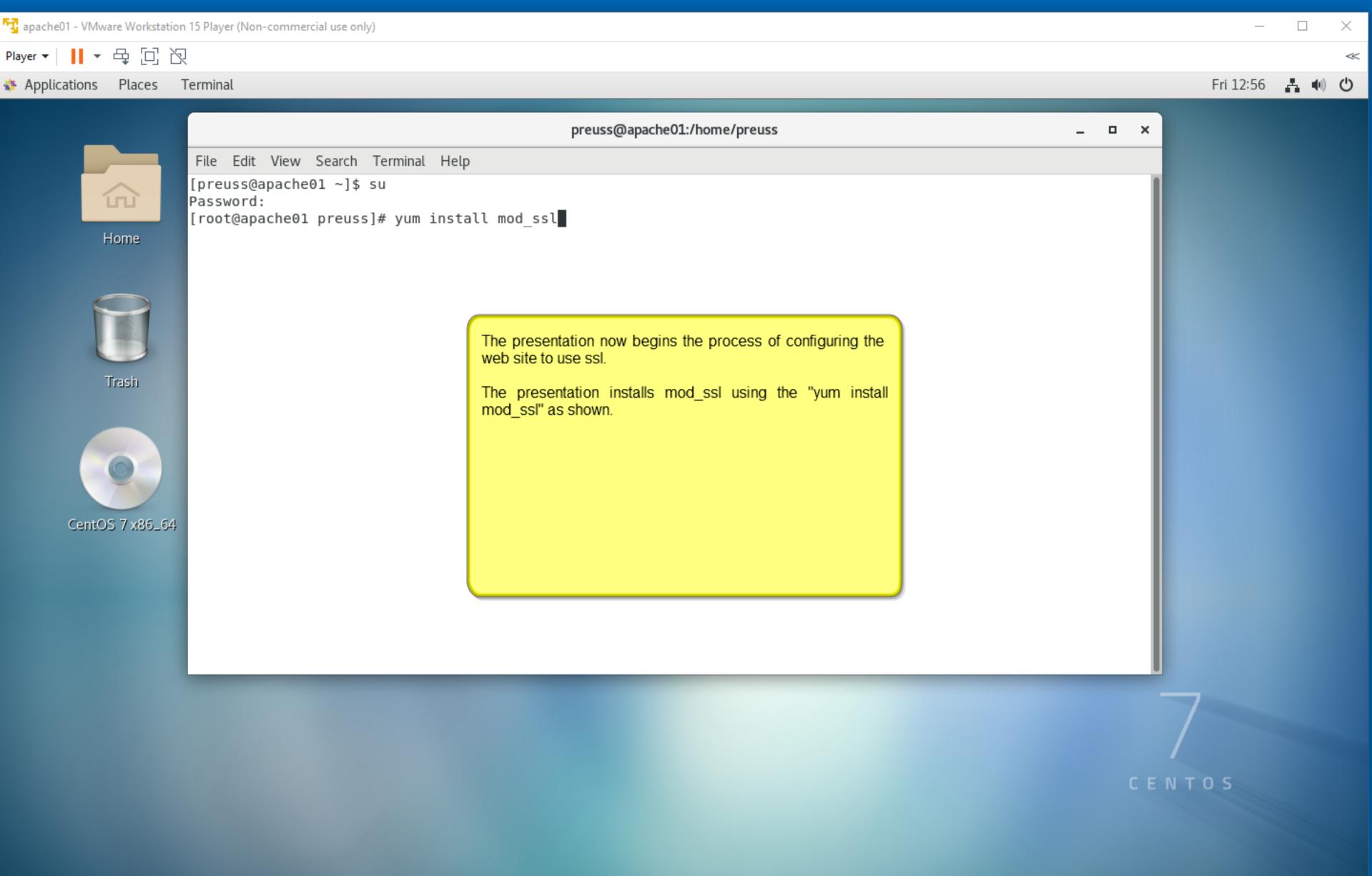
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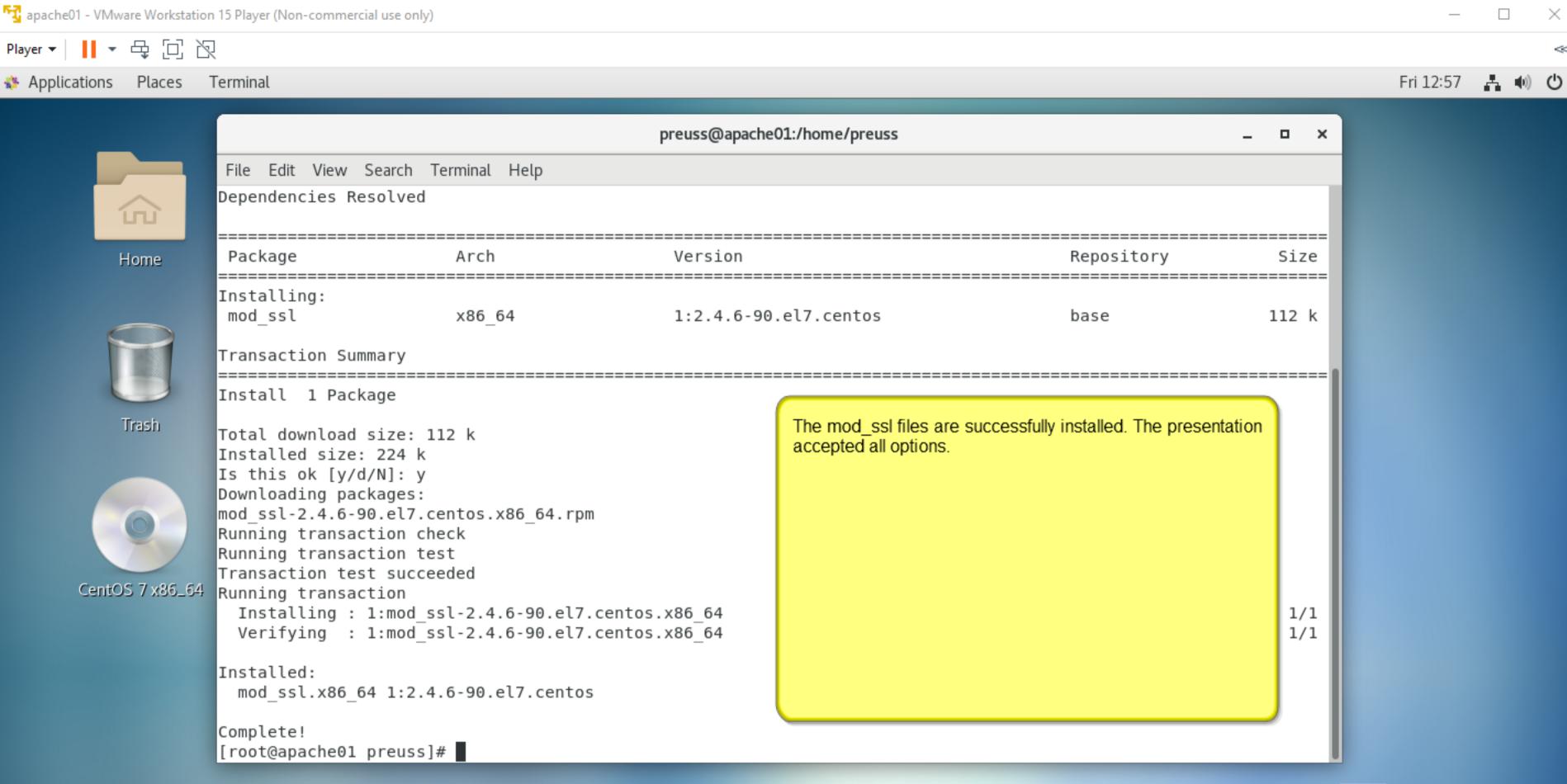
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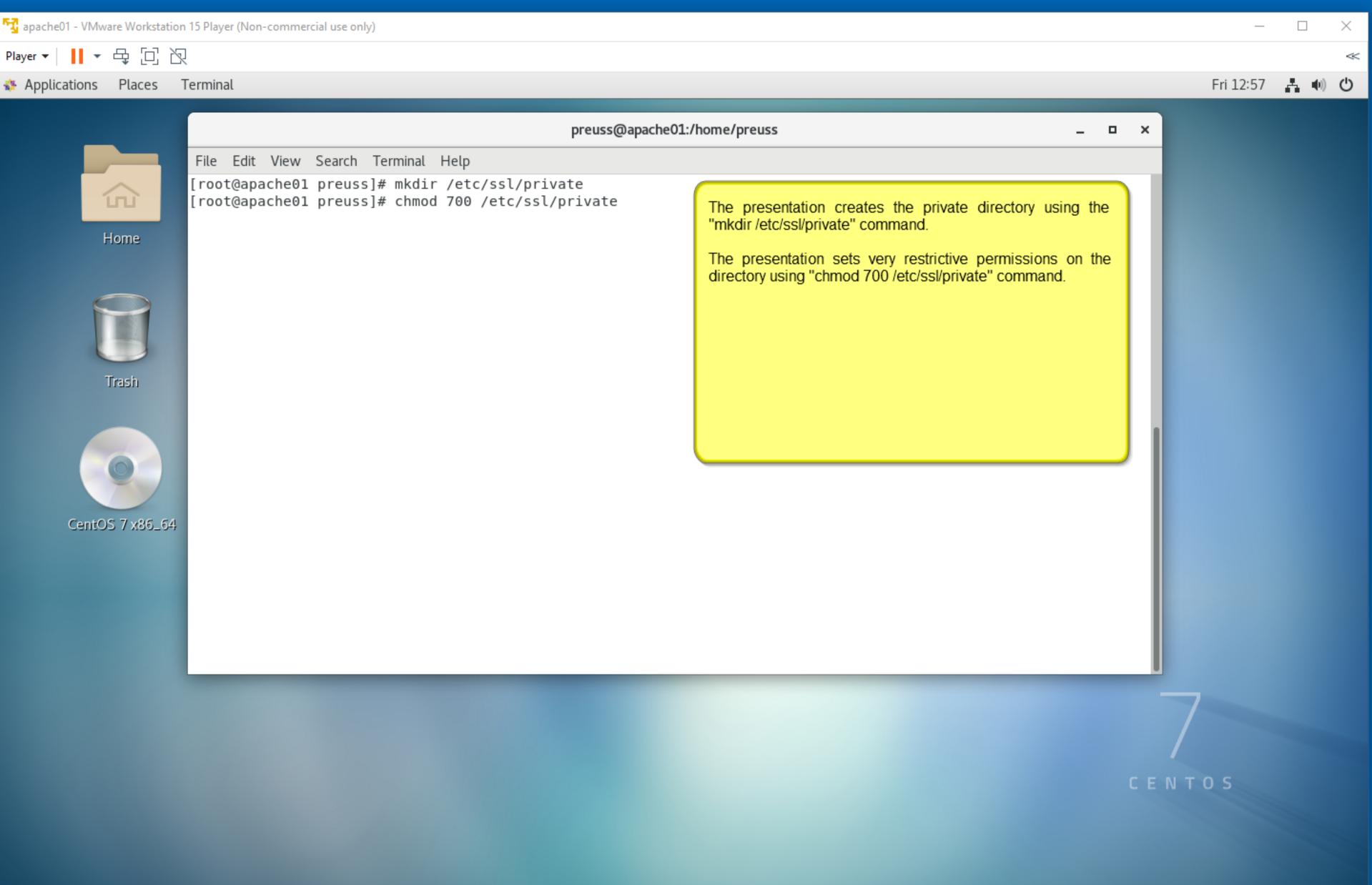


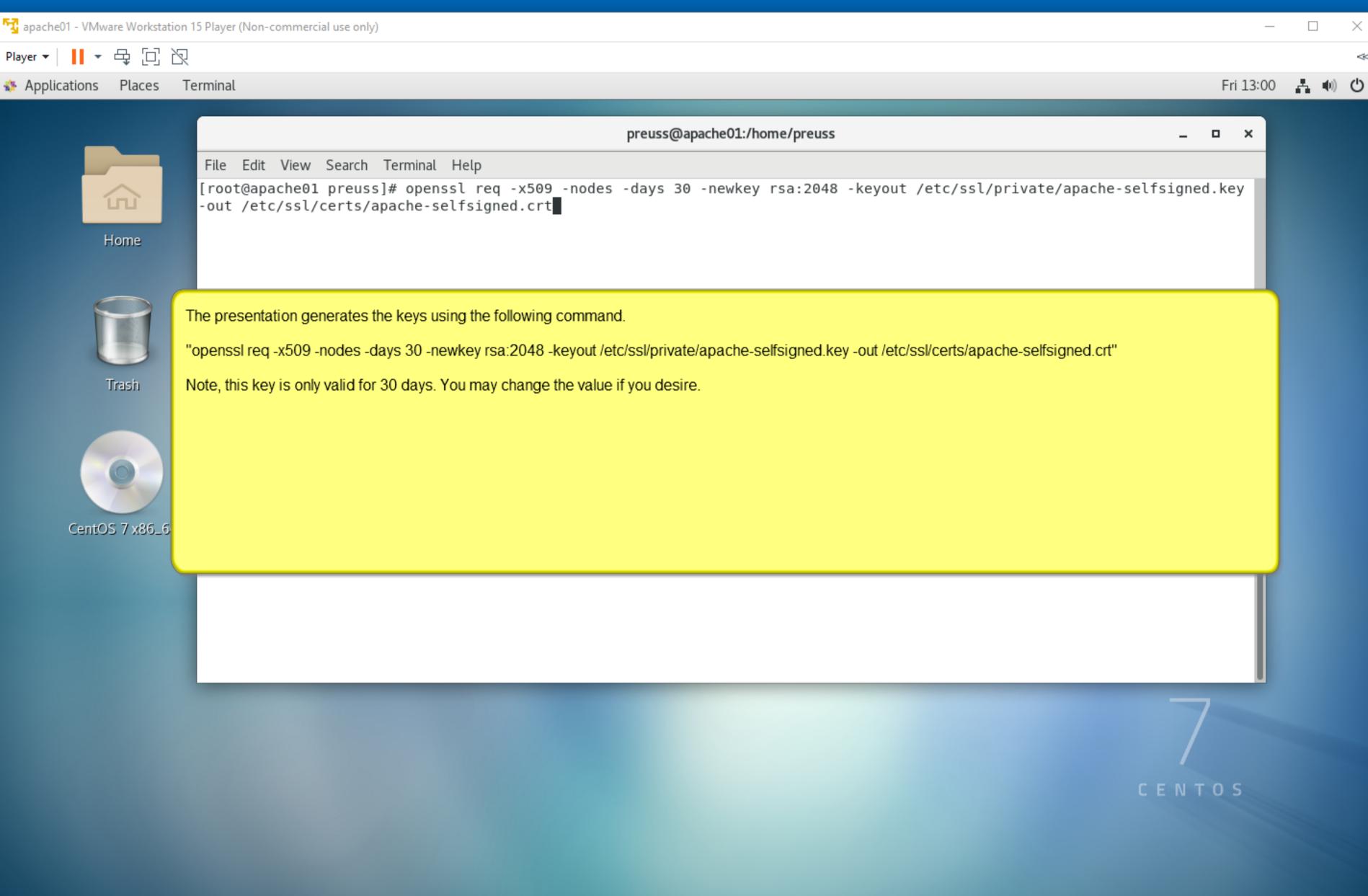


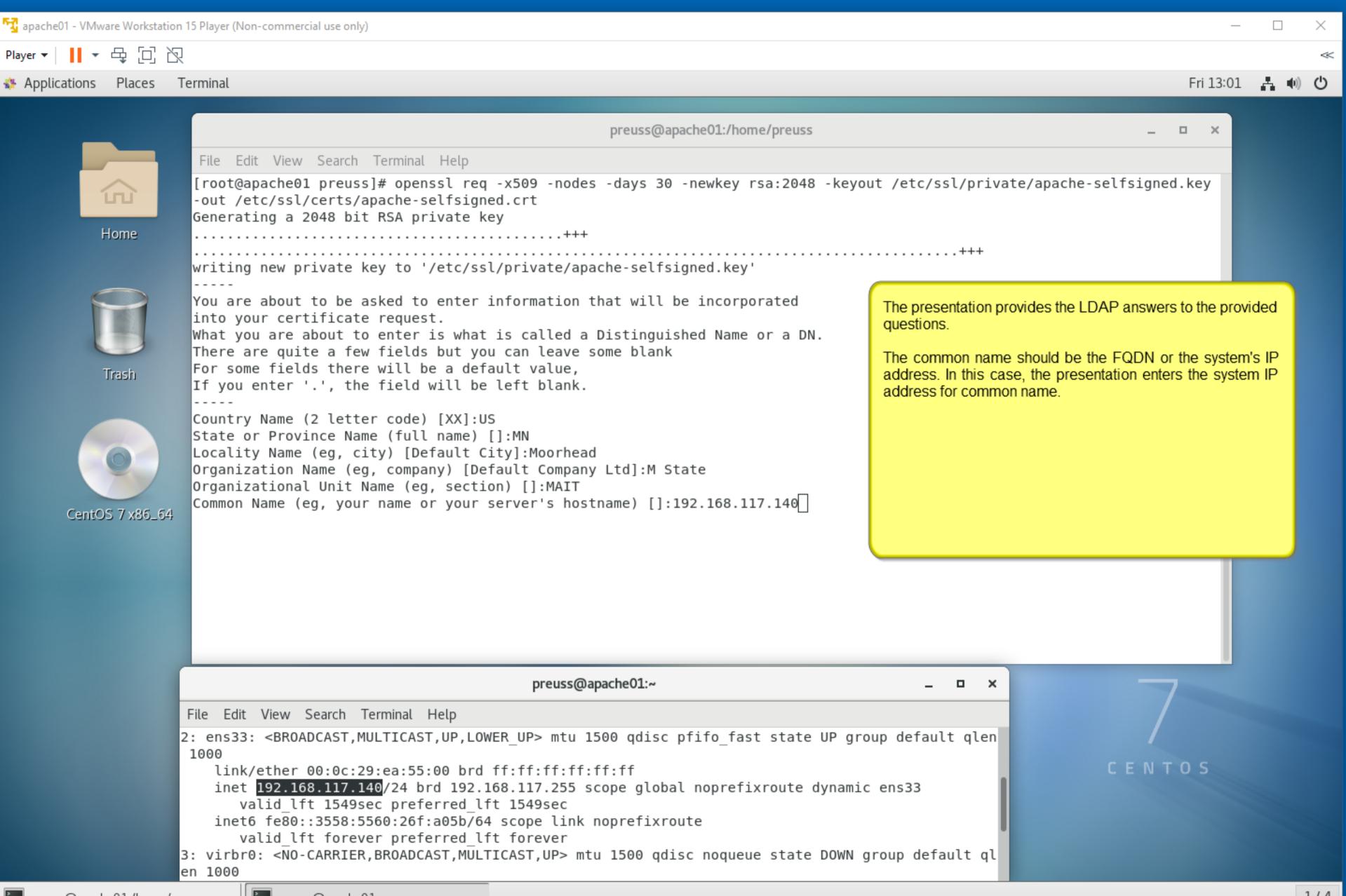


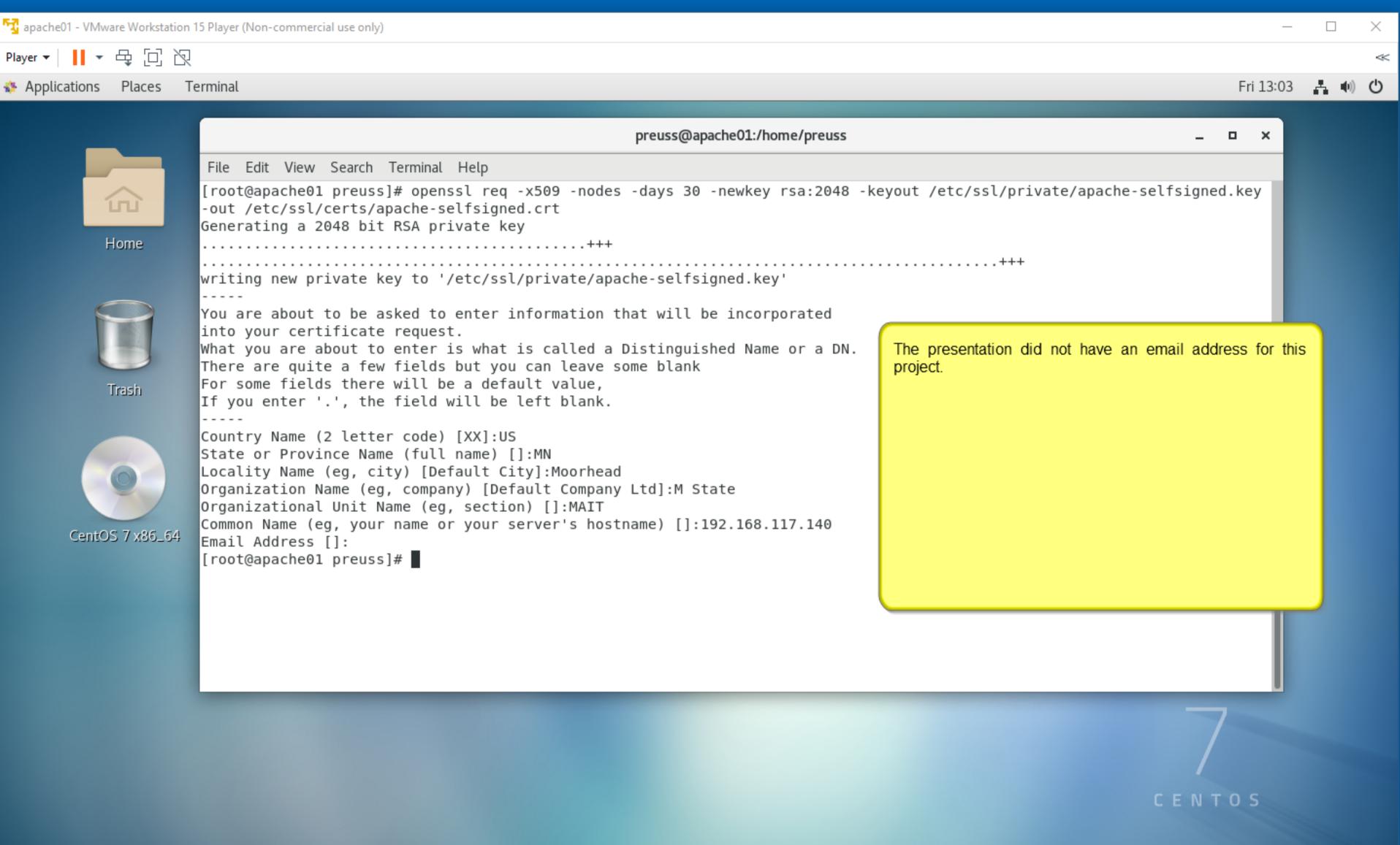


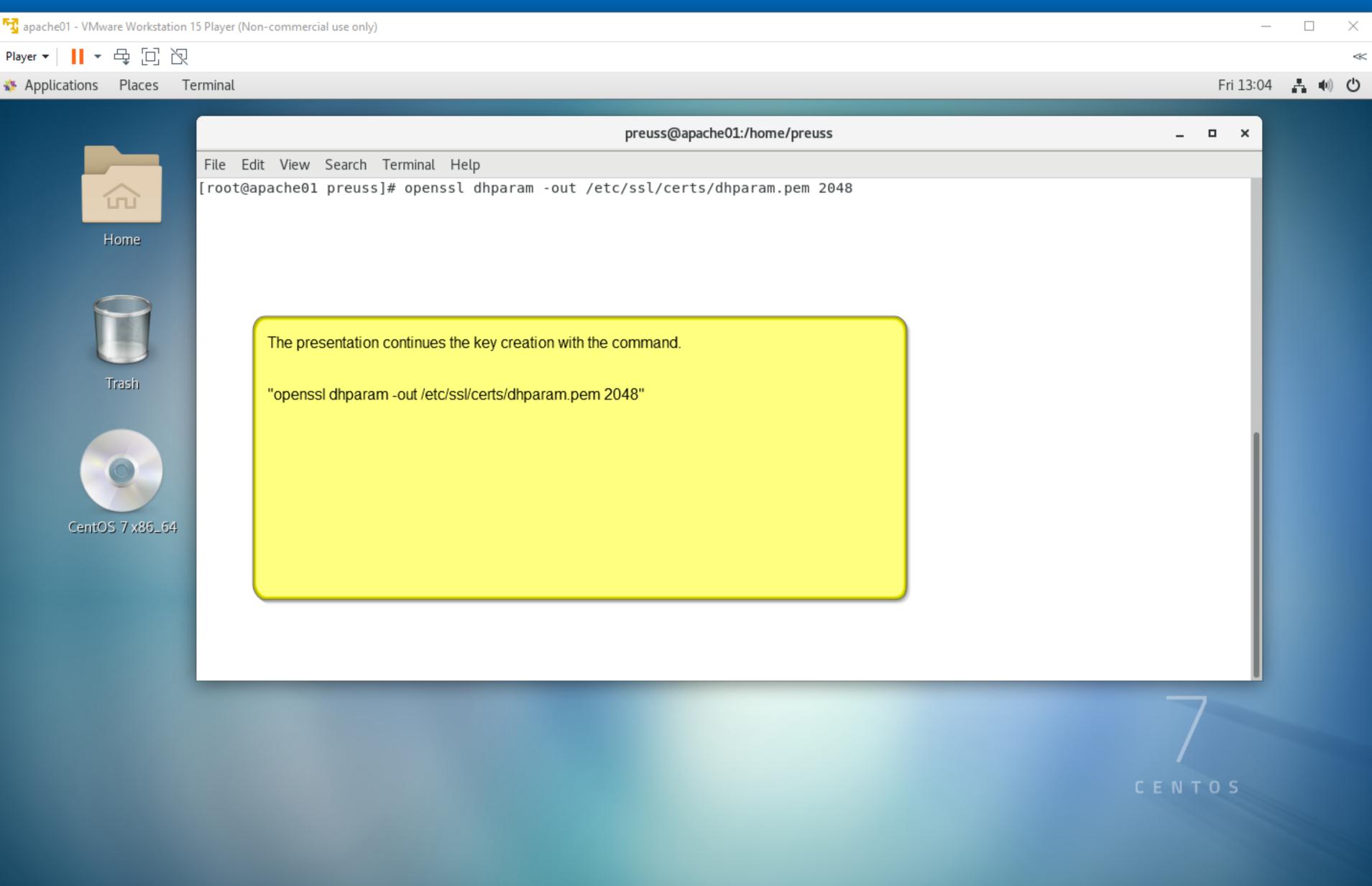
CENTOS

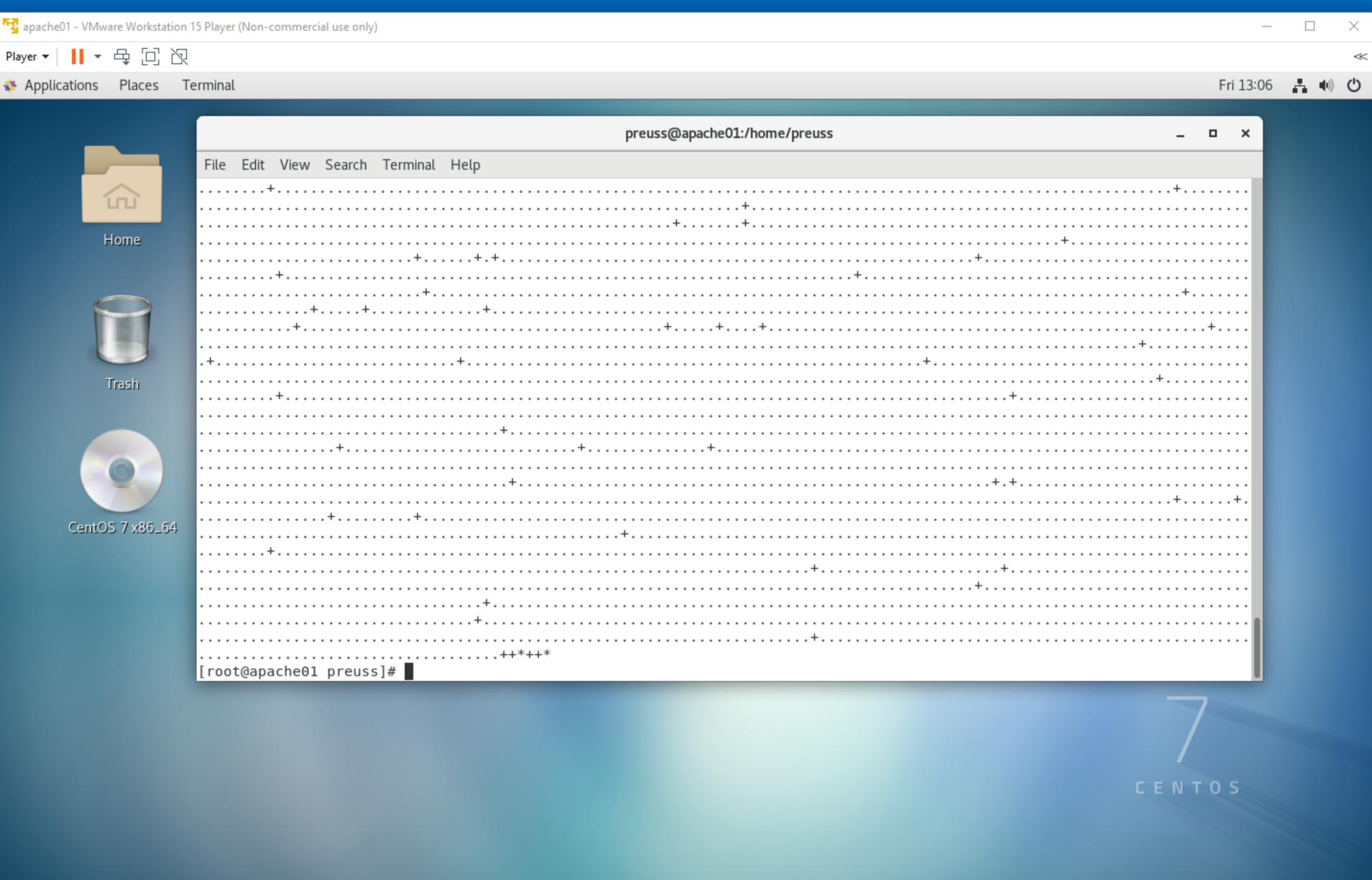


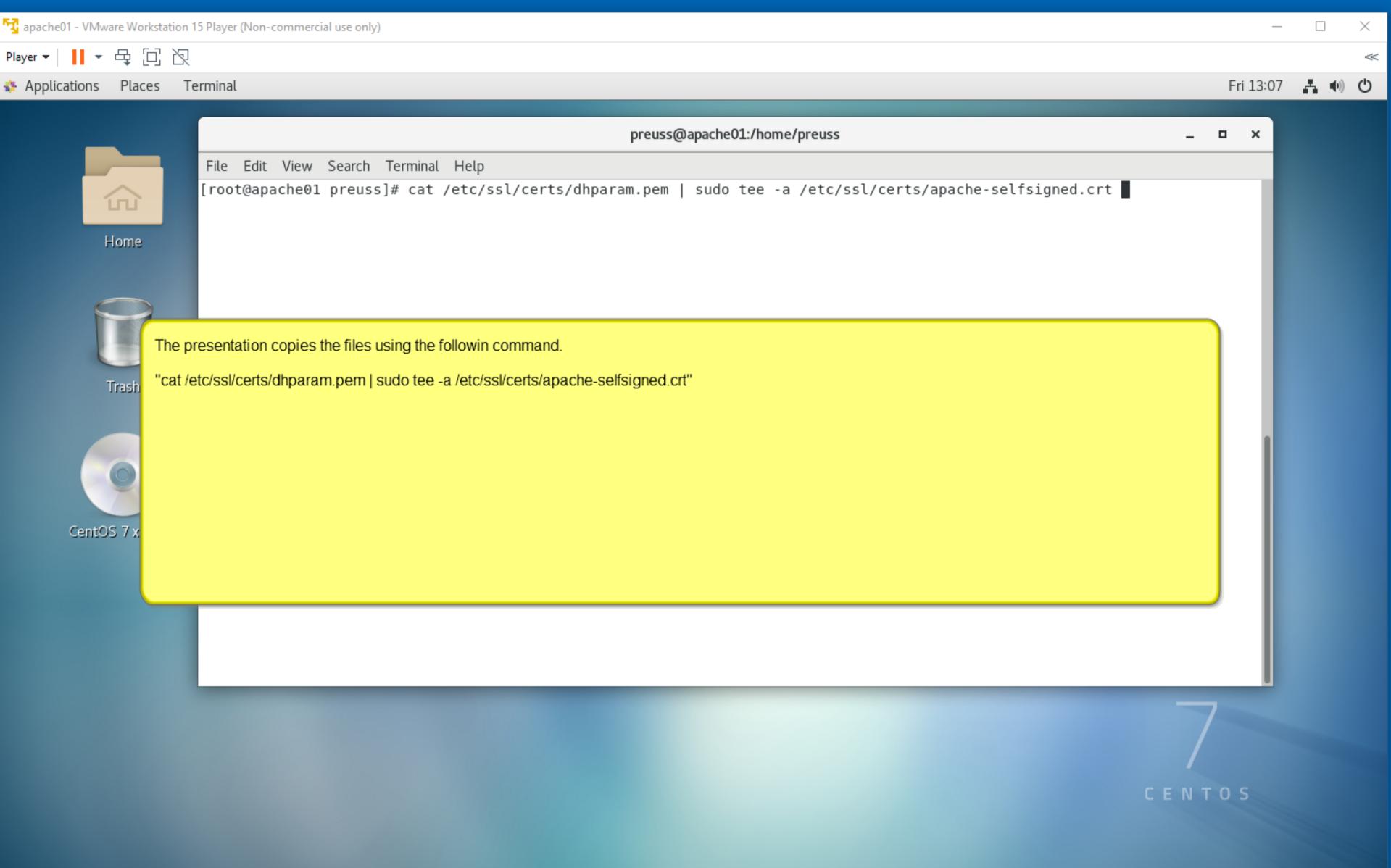


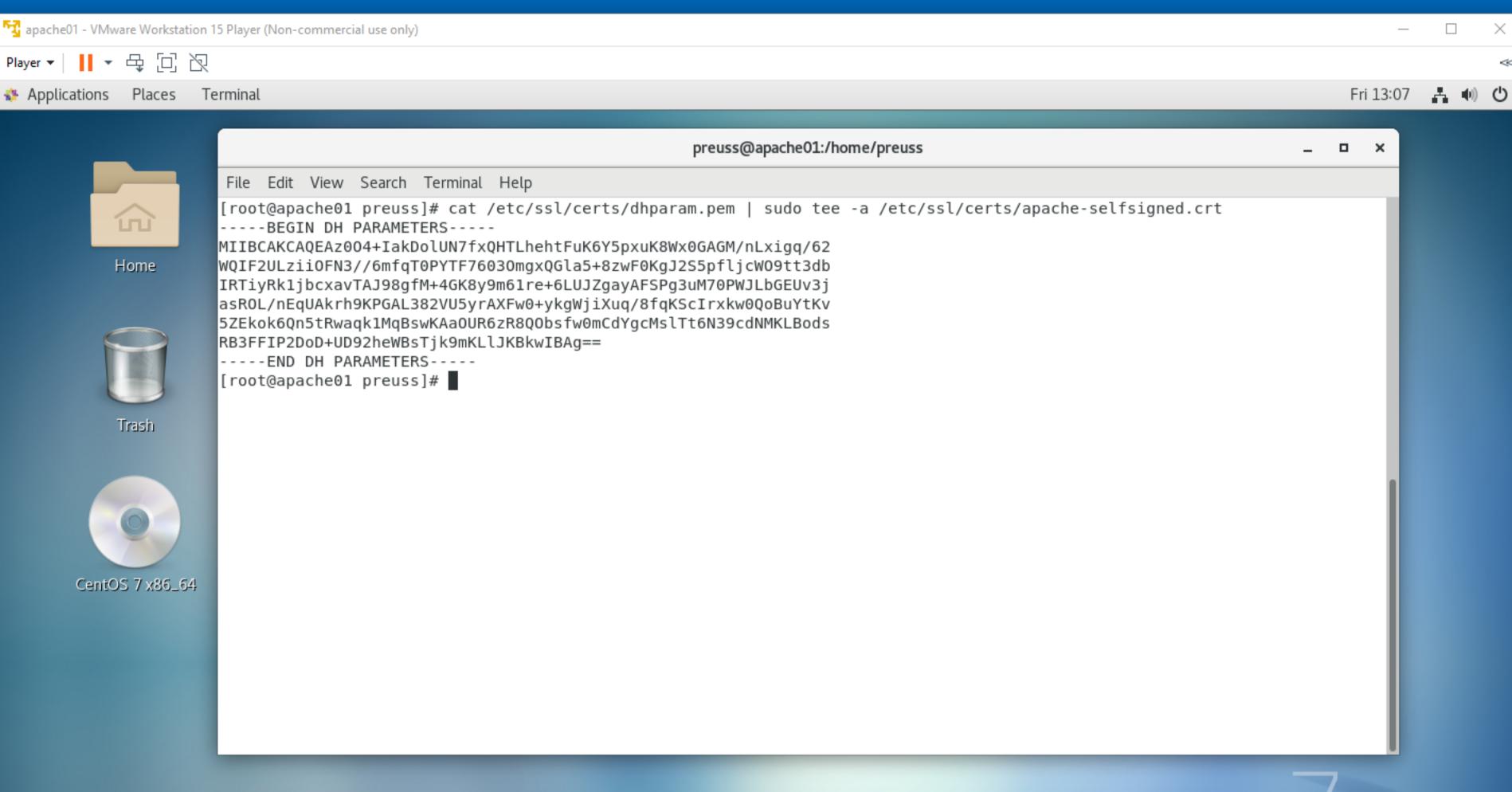












CENTOS

Applications Places Terminal



Home

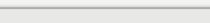


Trash



CentOS 7 x86\_64

#### preuss@apache01:/home/preuss



[root@apache01 preuss]# cat /etc/ssl/certs/apache-selfsigned.crt ----BEGIN CERTIFICATE----

MIIDozCCAougAwIBAgIJAPc55RDRL0kQMA0GCSqGSIb3DQEBCwUAMGgxCzAJBgNV BAYTAlVTMQswCQYDVQQIDAJNTjERMA8GA1UEBwwITW9vcmhlYWQxEDA0BgNVBAoM B00gU3RhdGUxDTALBgNVBAsMBE1BSVQxGDAWBgNVBAMMDzE5Mi4xNjguMTE3LjE0 MDAeFw0x0TEyMDYx0TAzMTJaFw0yMDAxMDUx0TAzMTJaMGgxCzAJBgNVBAYTAlVT MQswCQYDVQQIDAJNTjERMA8GA1UEBwwITW9vcmhlYWQxEDA0BgNVBAoMB00gU3Rh dGUxDTALBgNVBAsMBE1BSVQxGDAWBgNVBAMMDzE5Mi4xNjguMTE3LjE0MDCCASIw DQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBANBoAXHIR7toOMEtWOK572jYfknr fwcfldoSqsLqUV/8sdP6Mp790wJJqiq0KYyMBdQyFdSicntXb6LXYcZJiMxLc8Lu ONCmpfnal5zoqXsxfLhEI/sShtu0A6A4QT6A5/tw0vMMC9vPTRbNrU889v00BQxH hUD1hDegneSwGytC3FswzLk+mKU+6w0ZU76NR6NZiLL3S3EPCeWovnA5hRuQDj7Y T4IUXKE0c4xkm0znRVaczSGRHNzePG7o0b8P9s0Tj6000s98ykXXJHj5NSl9vmkl YcS5E63lG5LRU7DlTPSsHbewGU557b+cPaBjMsqfB7y3LBILcB6qT2WhX0kCAwEA AaNQME4wHQYDVR00BBYEFCZyn02PCB2PFT60zSezuq/7VEbpMB8GA1UdIwQYMBaA FCZynO2PCB2PFT60zSezuq/7VEbpMAwGA1UdEwQFMAMBAf8wDQYJKoZIhvcNAQEL BQADggEBAE+0gB7NSZevv6agyEMF+iepwMB0CpPH+V+Pg8jK5BRPznu4aWgake8W 6itKltofd0q0cpP3zlmV5519GsVYlUoG/aZaJbzMkjwtxx7rCsb4Espw47tiWvpl /0YIW0tNS0WcI2gk0QzbN9ELD1Fip99zwnRFTe0zybEVn9JsCj0zsounwT0zb6BI rjDHk7dMKKjS7LT3tF0CI4oo3pB7w35IXv9M6TbNb1/LgkwDXdByD9SMs1oMkK2t hcZ8RBhn3+y0Xs90KuY6G33RxExEW6lJNP8Lw6cVW/BZmnreX6DRZ61DCscPt8PA 60qkC+k6c84GmYVrHlVDlDndt9wW11s=

----END CERTIFICATE----

----BEGIN DH PARAMETERS-----

File Edit View Search Terminal Help

MIIBCAKCAQEAz004+IakDolUN7fxQHTLhehtFuK6Y5pxuK8Wx0GAGM/nLxigq/62 WQIF2ULziiOFN3//6mfqT0PYTF76030mgxQGla5+8zwF0KgJ2S5pfljcW09tt3db IRTiyRk1jbcxavTAJ98gfM+4GK8y9m61re+6LUJZgayAFSPg3uM70PWJLbGEUv3j asROL/nEqUAkrh9KPGAL382VU5yrAXFw0+ykgWjiXuq/8fqKScIrxkw0QoBuYtKv 5ZEkok6Qn5tRwagk1MgBswKAa0UR6zR8Q0bsfw0mCdYgcMslTt6N39cdNMKLBods RB3FFIP2DoD+UD92heWBsTjk9mKLlJKBkwIBAg==

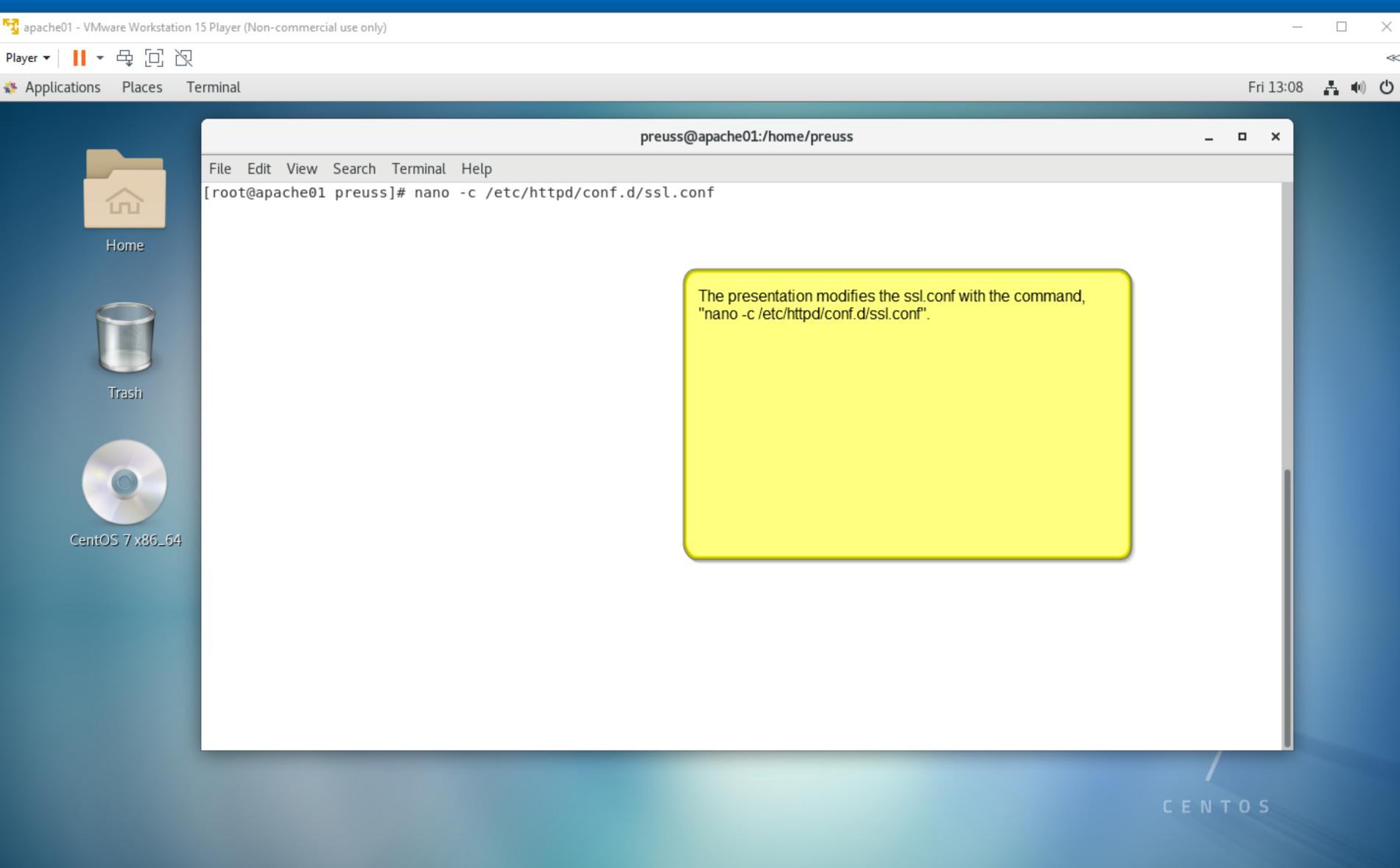
----END DH PARAMETERS----

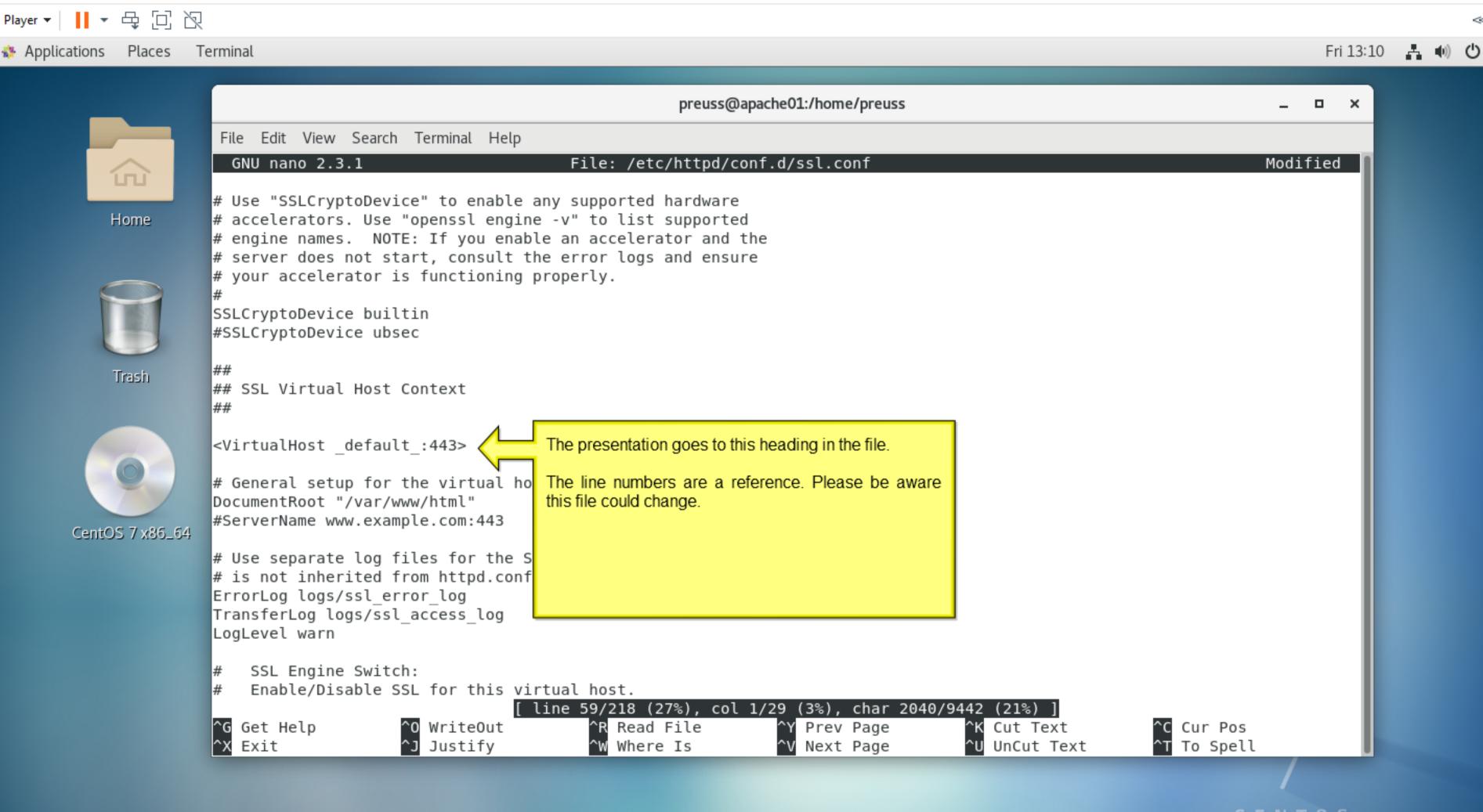
[root@apache01 preuss]#

The command "cat /etc/ssl/certs/apache-selfsigned.crt" should show two keys.

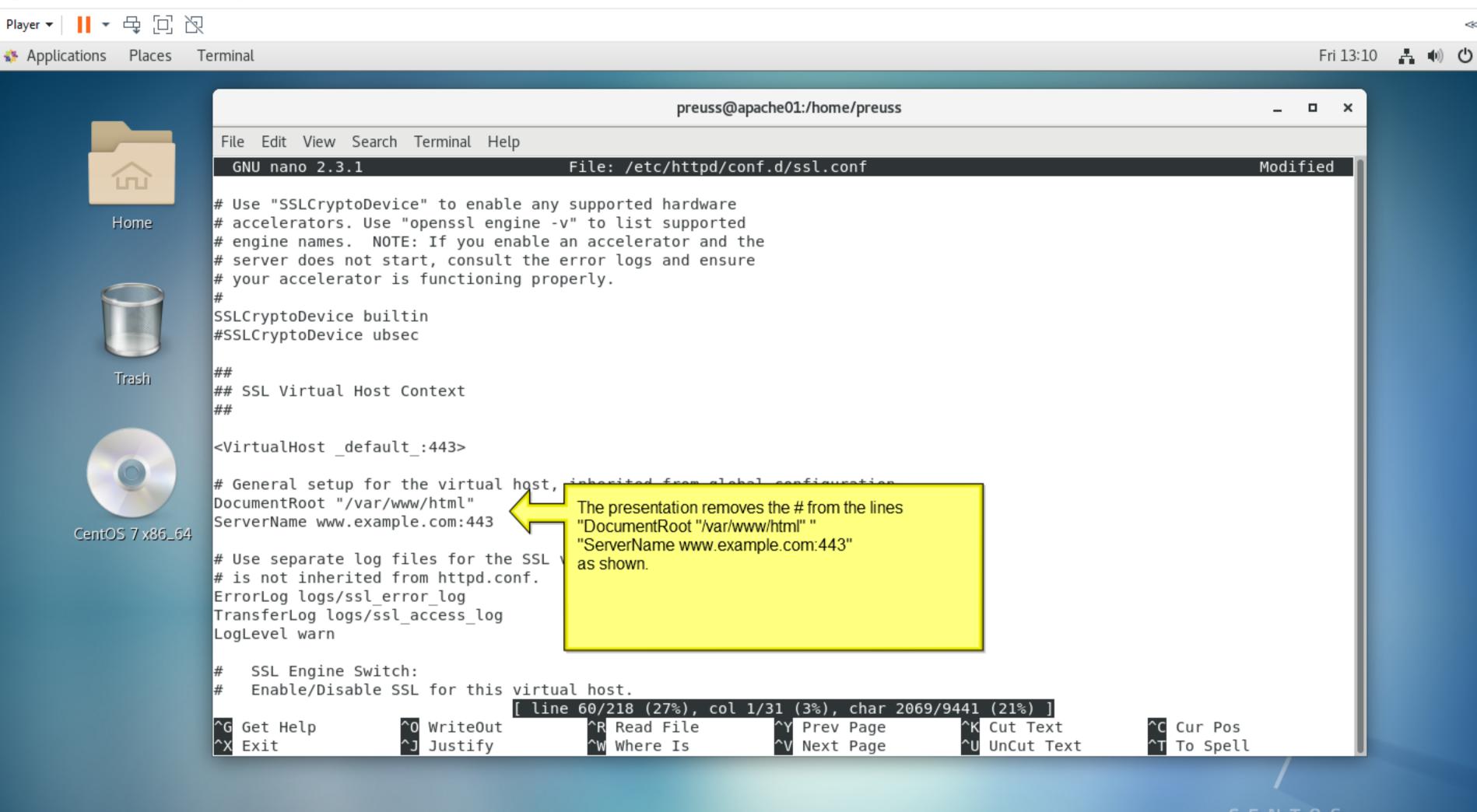
The presentation sees two keys listed.

CENTOS



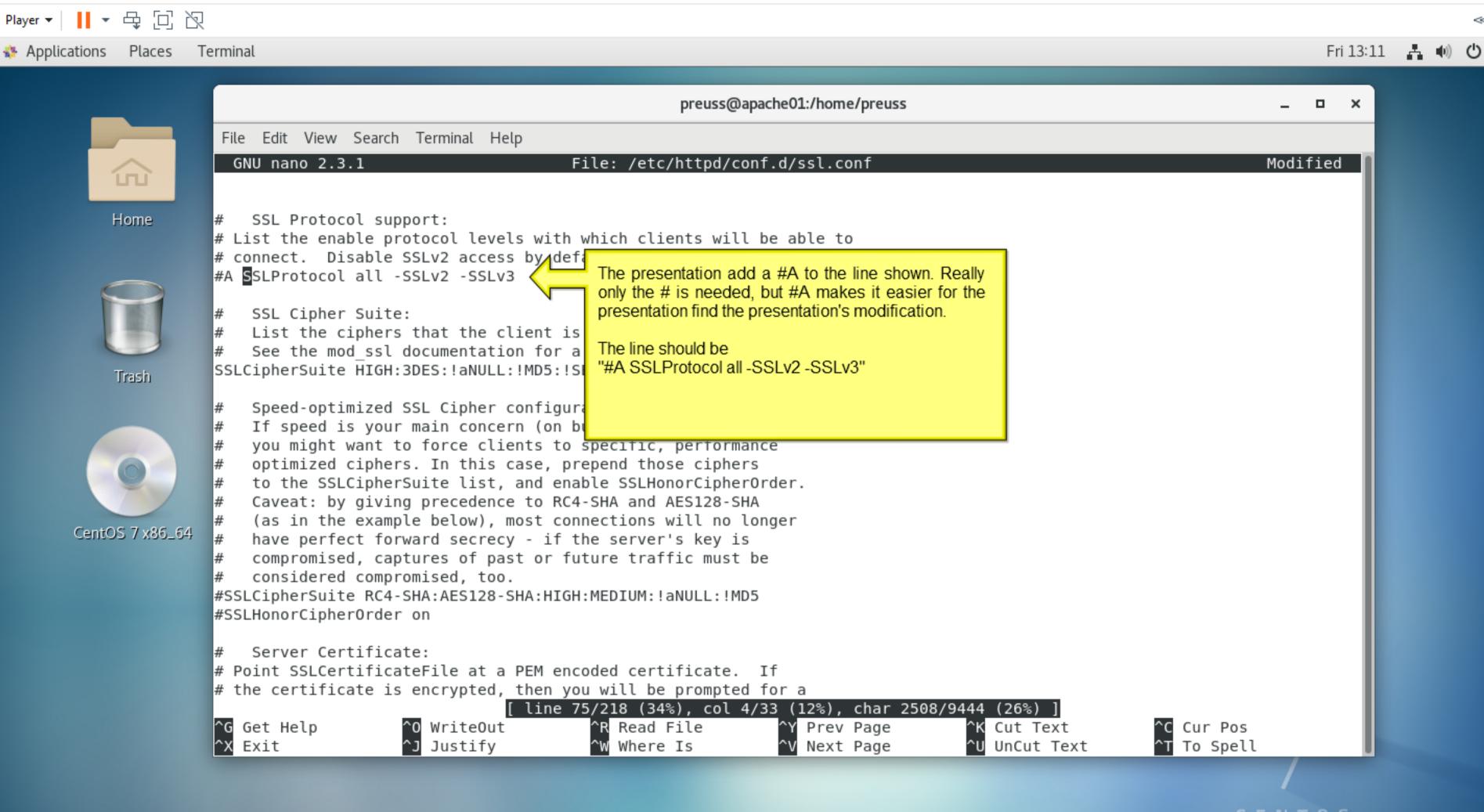


CENTOS

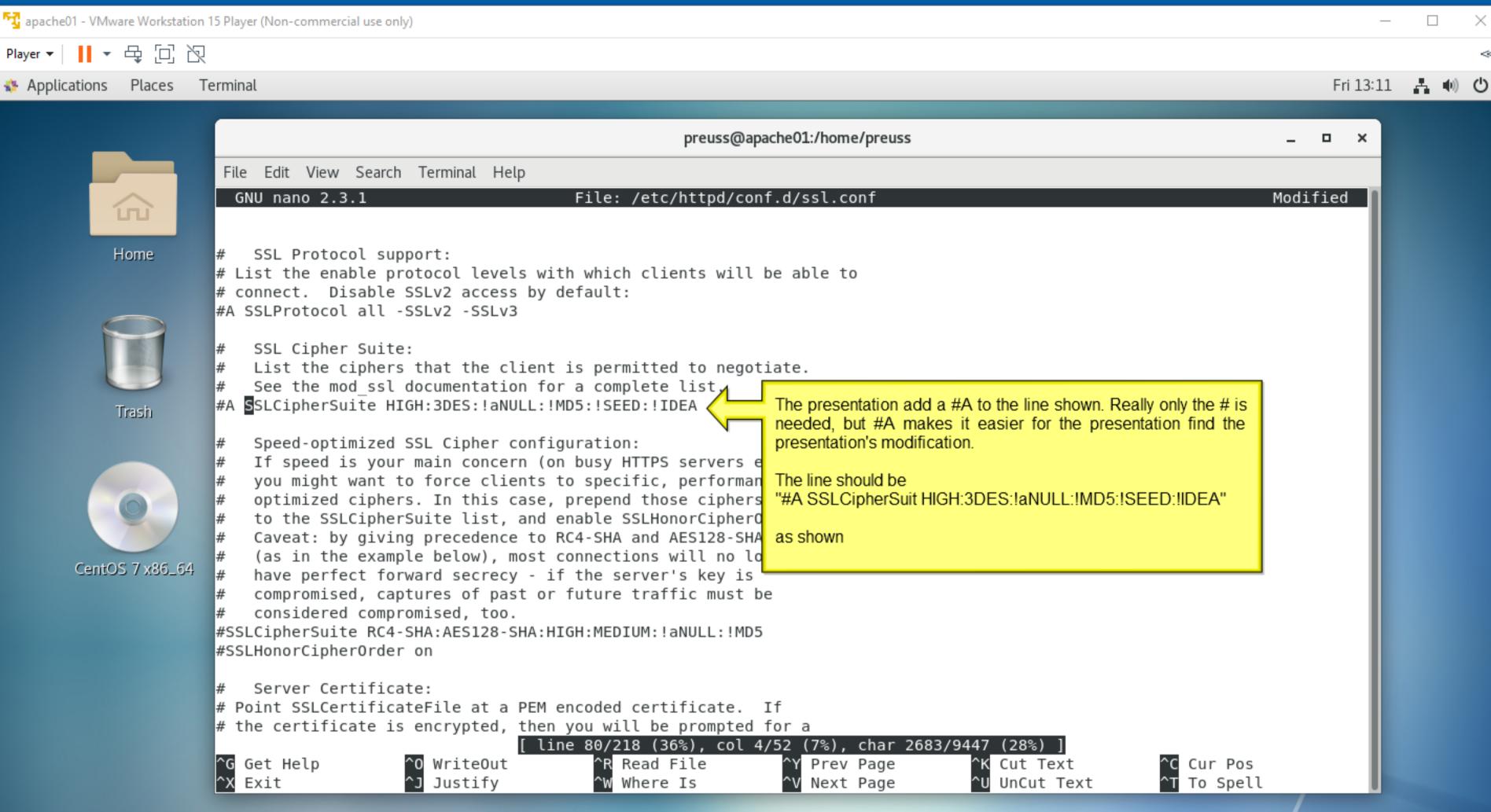


CENTOS

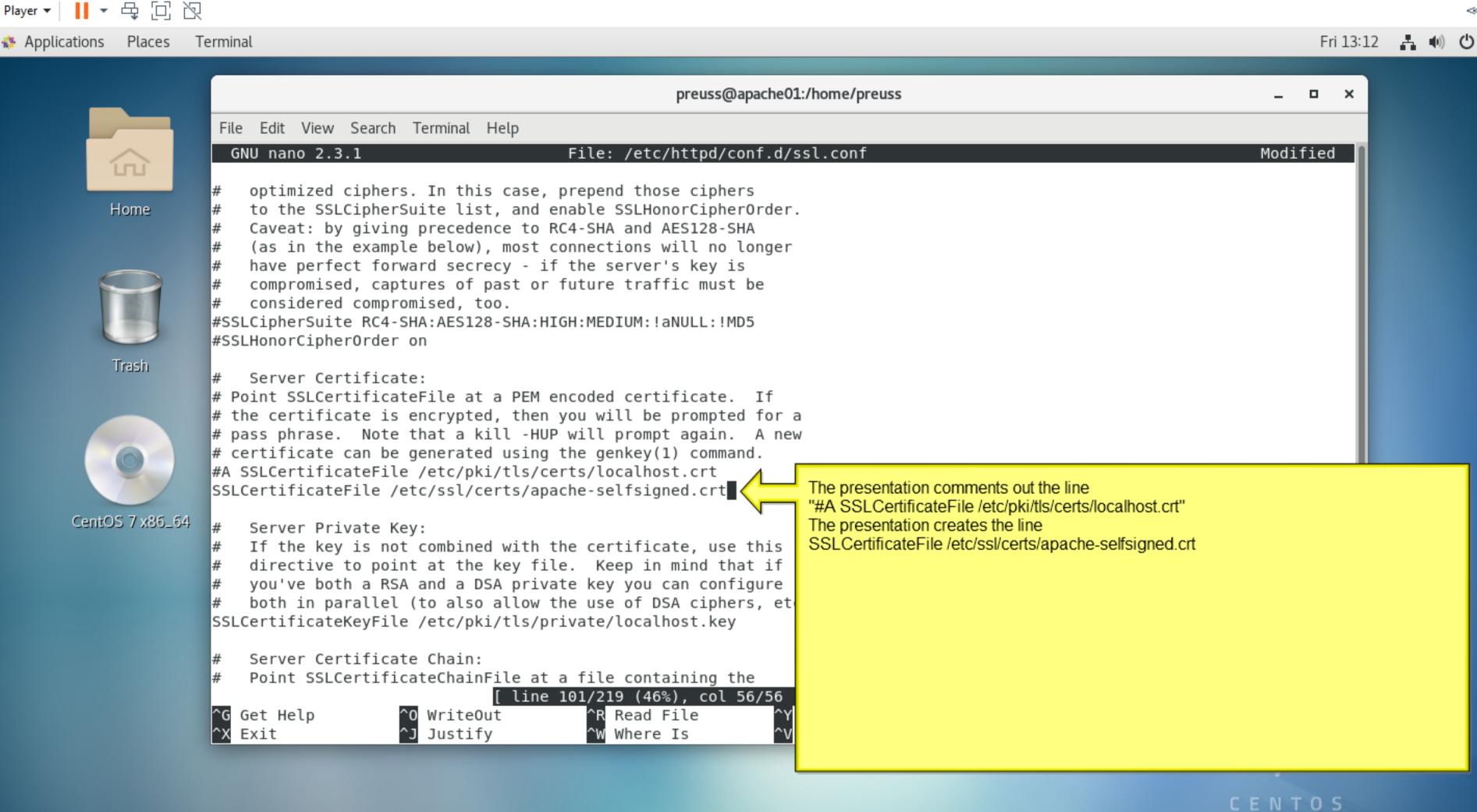
2 /

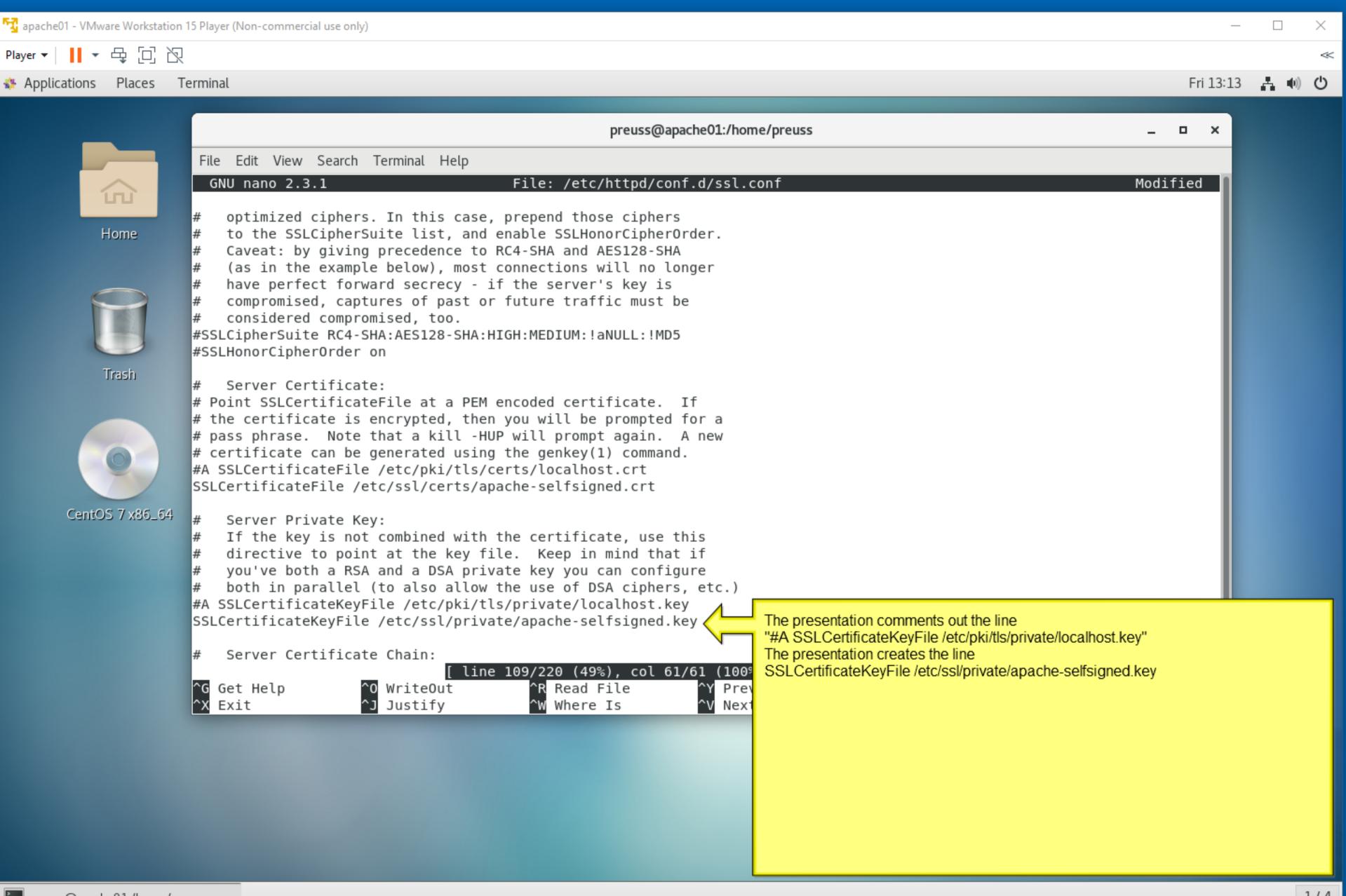


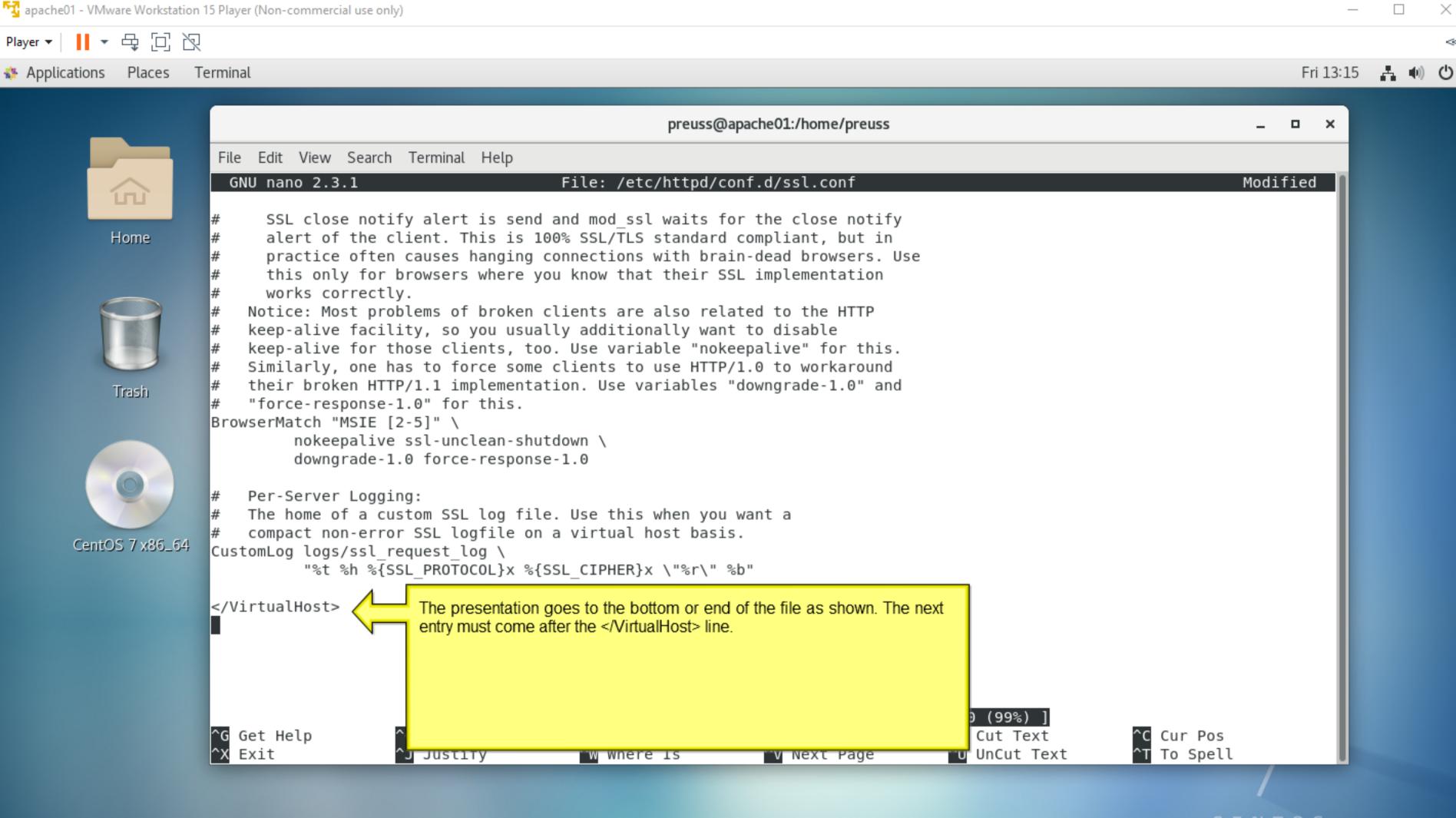
CENTOS



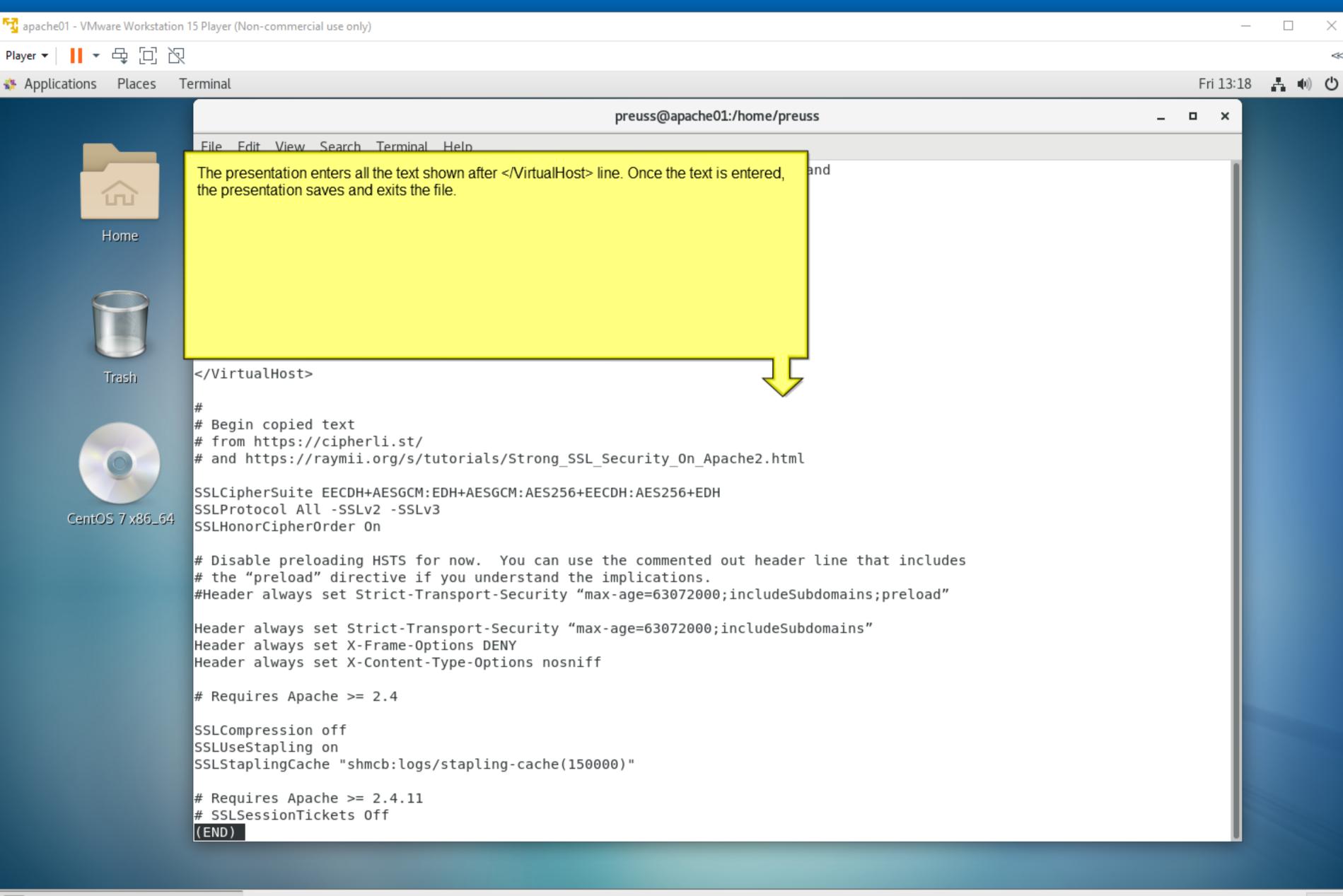
CENTOS



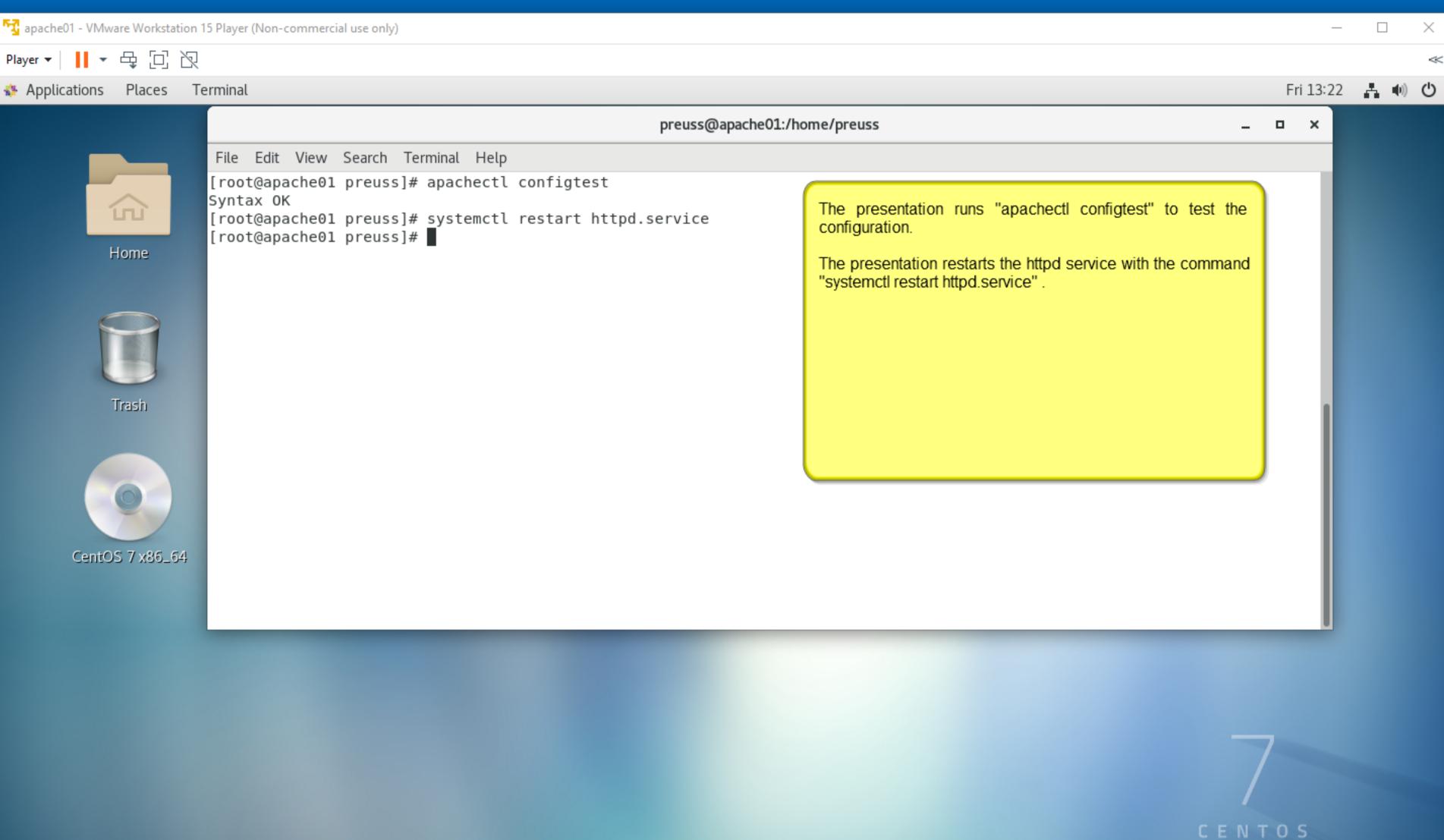




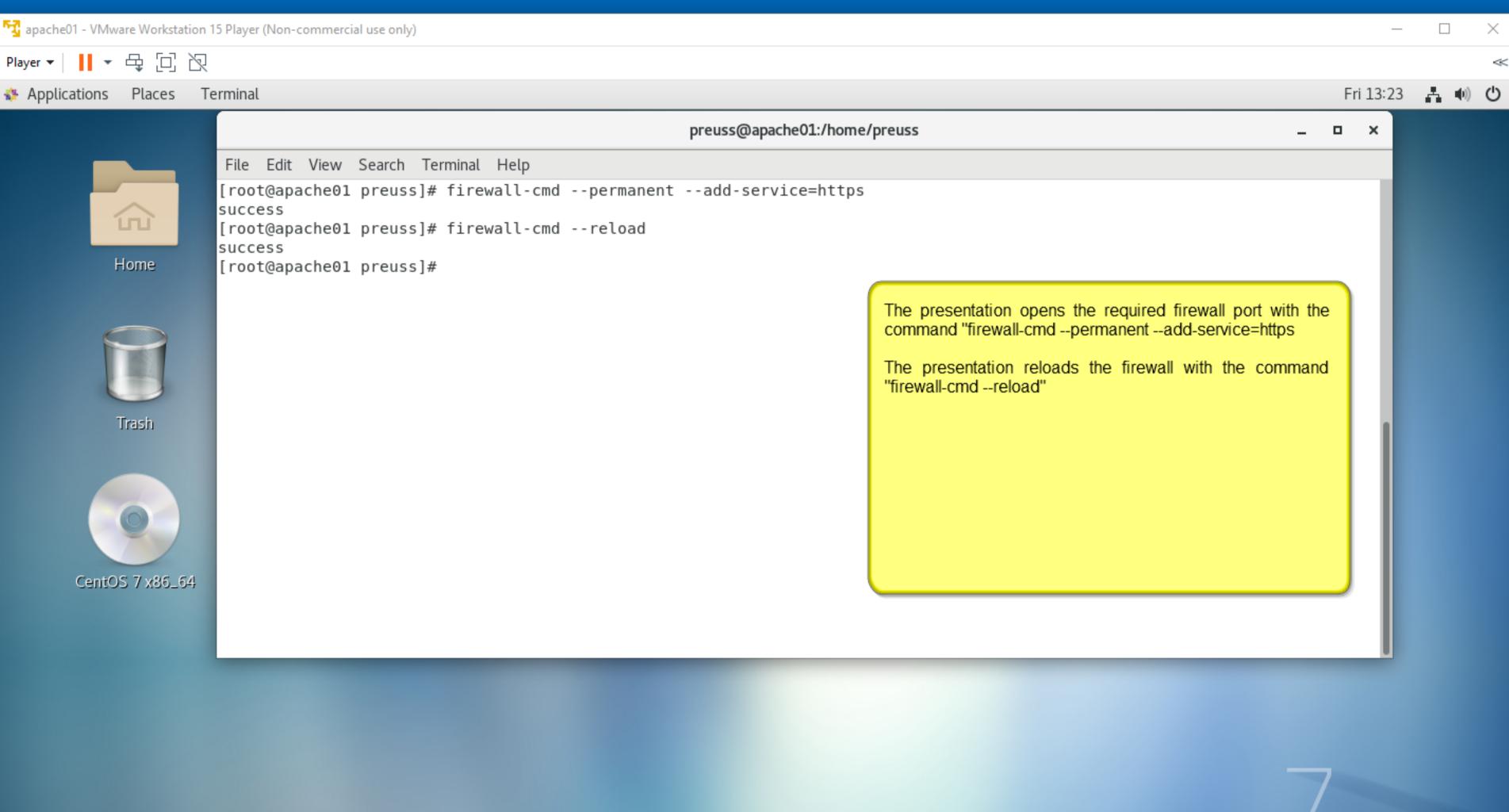
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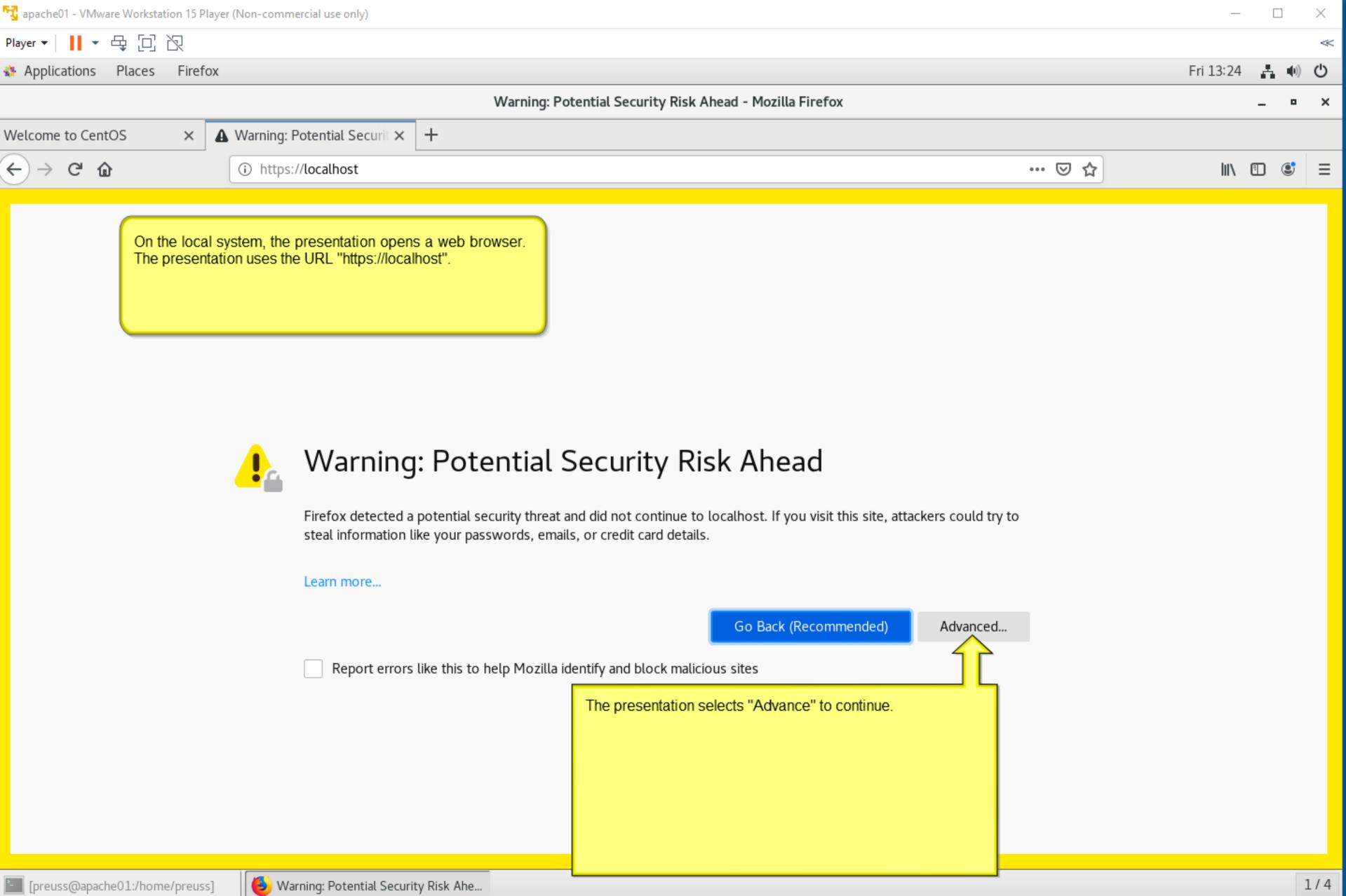


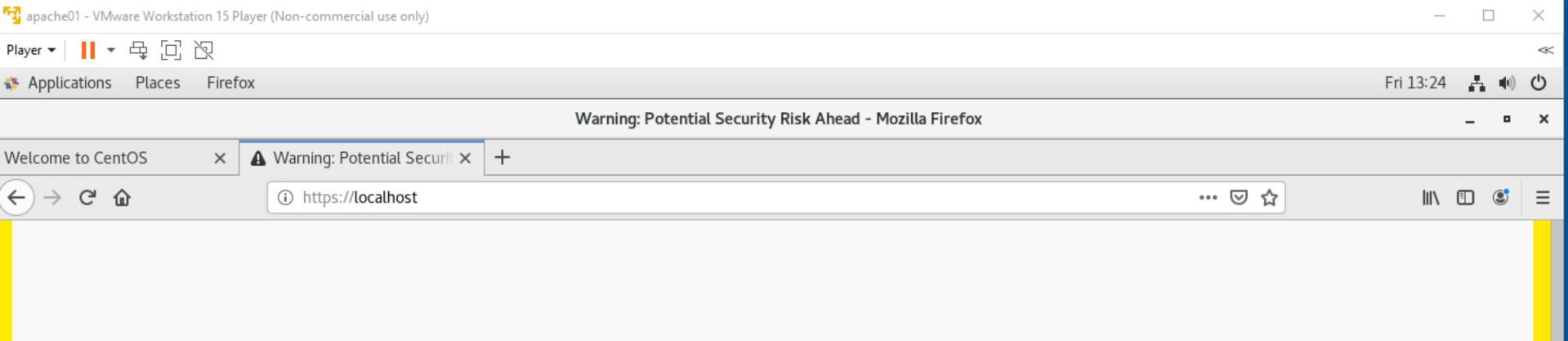
1 / /



LIVIOS





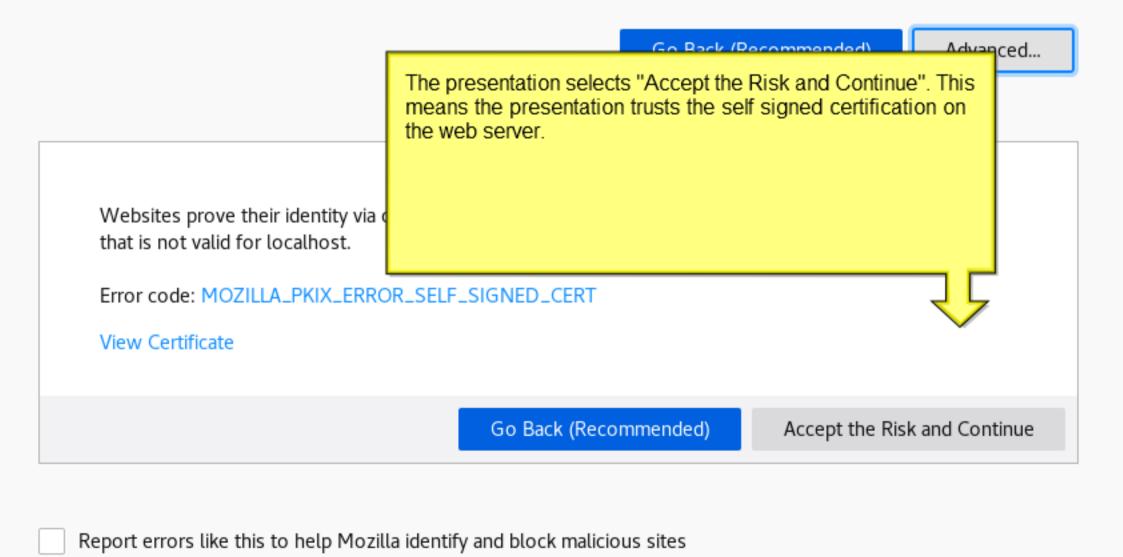


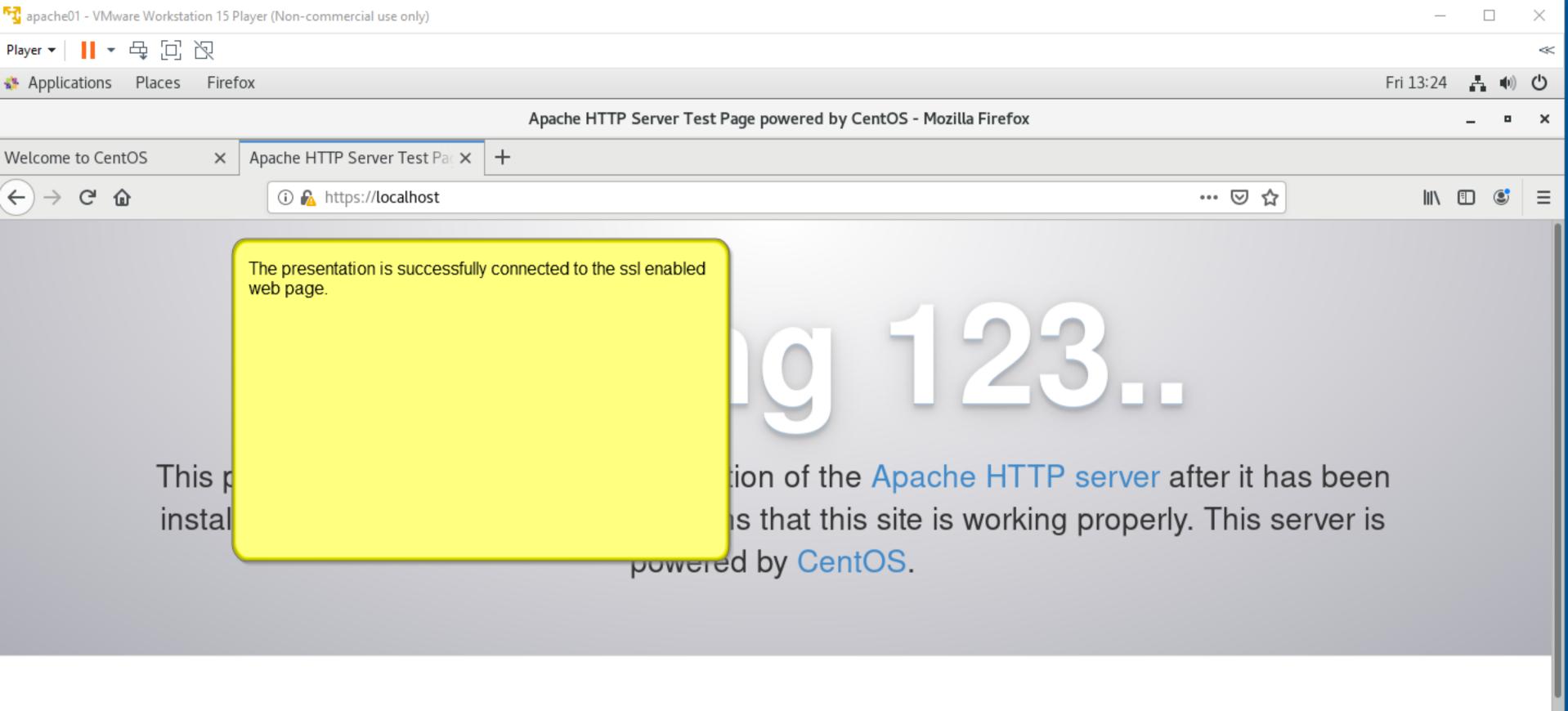


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Firefox detected a potential security threat and did not continue to localhost. If you visit this site, attackers could try to steal information like your passwords, emails, or credit card details.

Learn more...





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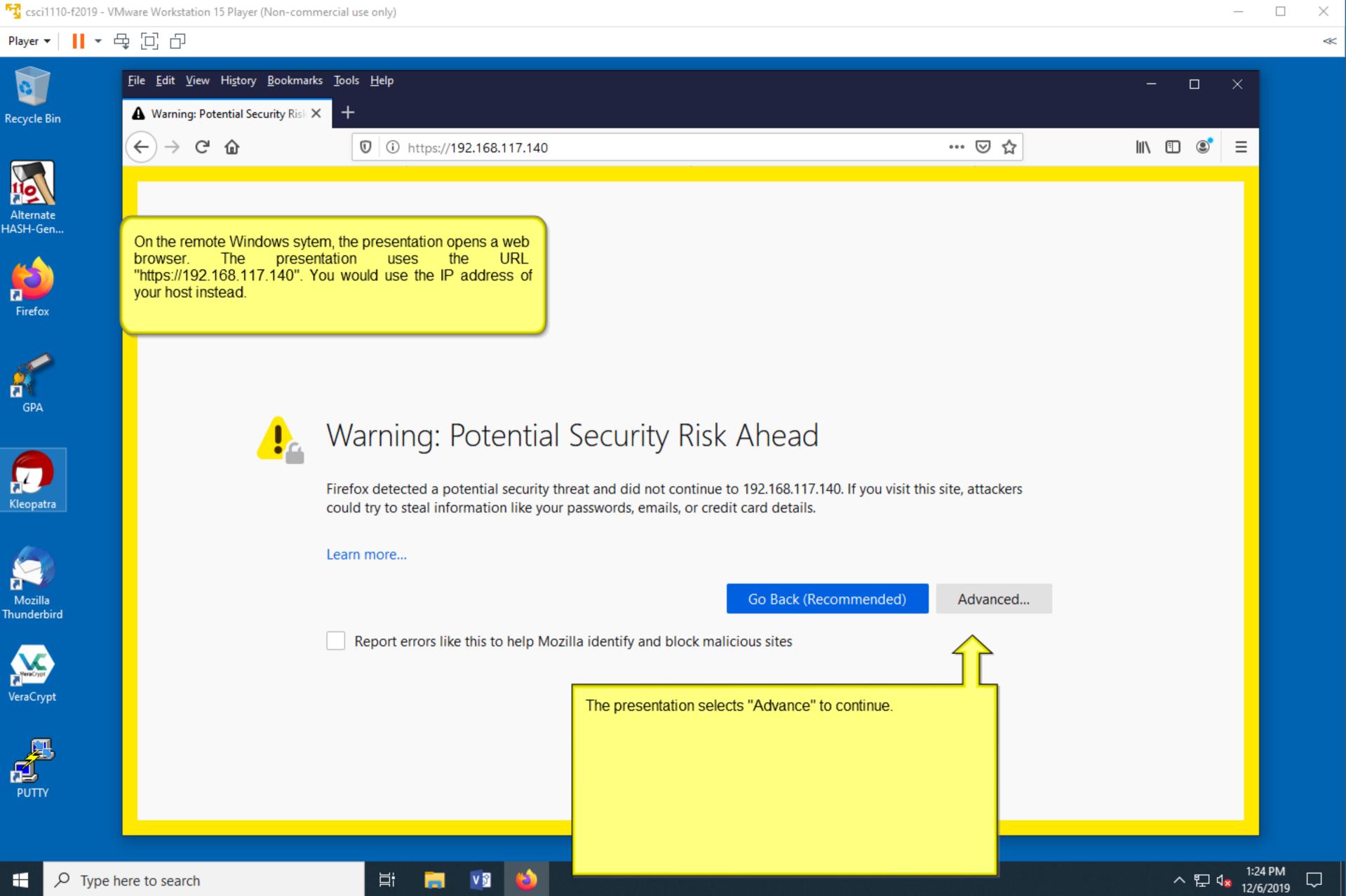
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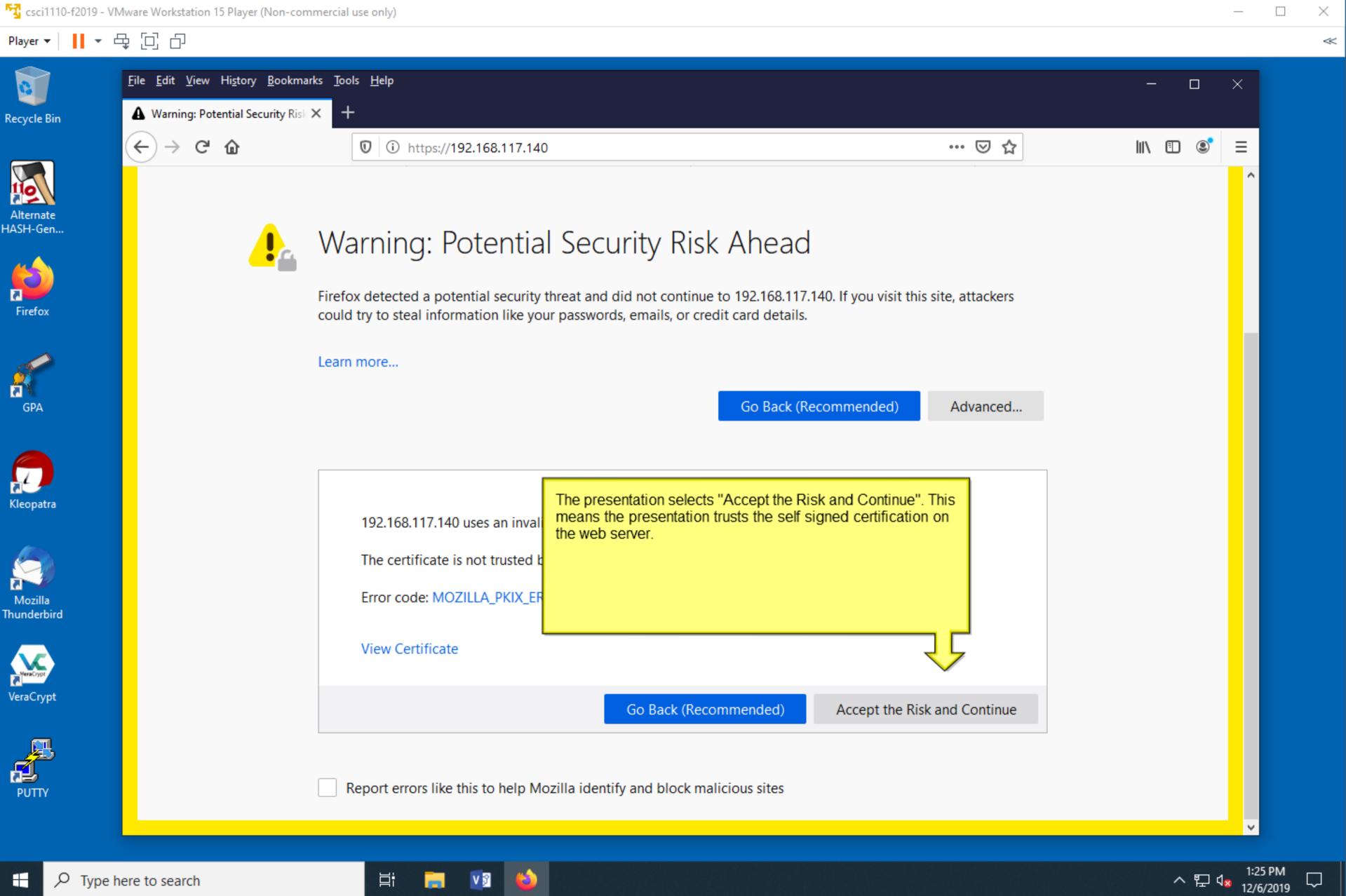
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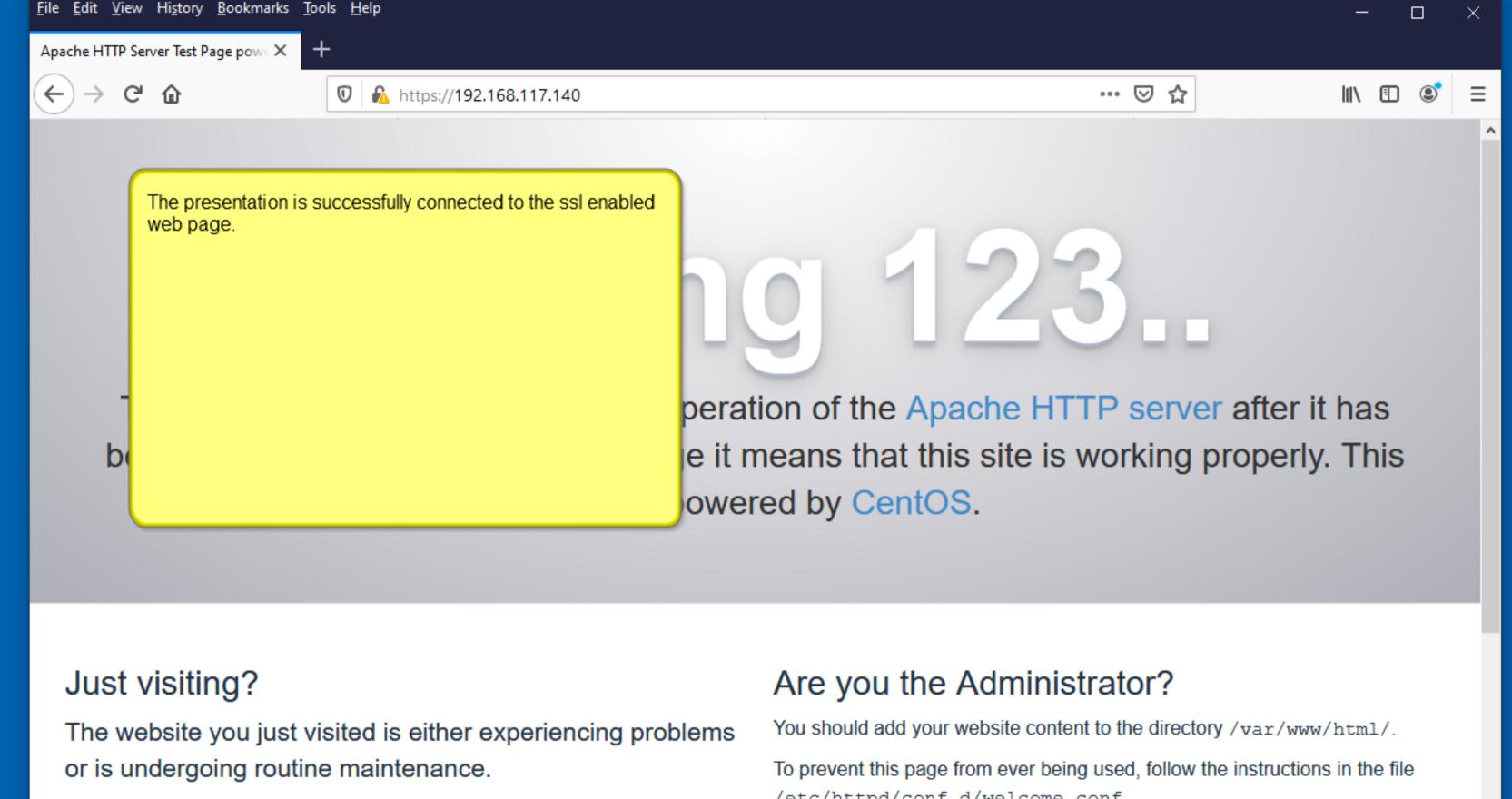












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