**공개SW개발지원사업**

**Pro-FTP설치**

개정 번호 : 0.1



# Pro-Ftp 설치

Pro-FTP를 apt-get 을 사용하여 설치하고 동작을 확인하는 과정을 기술한다.

## 준비

우선 패키지 목록을 업데이트 한다.

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| falinux@nadia:~$ sudo apt-get update  기존 http://ports.ubuntu.com precise Release.gpg  기존 http://ports.ubuntu.com precise-updates Release.gpg  기존 http://ports.ubuntu.com precise Release  기존 http://ports.ubuntu.com precise-updates Release  기존 http://ports.ubuntu.com precise/main Sources  기존 http://ports.ubuntu.com precise/universe Sources  기존 http://ports.ubuntu.com precise/main armhf Packages  기존 http://ports.ubuntu.com precise/universe armhf Packages  기존 http://ports.ubuntu.com precise/main TranslationIndex  기존 http://ports.ubuntu.com precise/universe TranslationIndex  기존 http://ports.ubuntu.com precise-updates/main Sources  기존 http://ports.ubuntu.com precise-updates/universe Sources  기존 http://ports.ubuntu.com precise-updates/main armhf Packages  기존 http://ports.ubuntu.com precise-updates/universe armhf Packages  기존 http://ports.ubuntu.com precise-updates/main TranslationIndex  기존 http://ports.ubuntu.com precise-updates/universe TranslationIndex  기존 http://ports.ubuntu.com precise/main Translation-ko  기존 http://ports.ubuntu.com precise/main Translation-en  기존 http://ports.ubuntu.com precise/universe Translation-ko  기존 http://ports.ubuntu.com precise/universe Translation-en  기존 http://ports.ubuntu.com precise-updates/main Translation-ko  기존 http://ports.ubuntu.com precise-updates/main Translation-en  기존 http://ports.ubuntu.com precise-updates/universe Translation-ko  기존 http://ports.ubuntu.com precise-updates/universe Translation-en  패키지 목록을 읽는 중입니다... 완료 |

## Pro-FTP설치

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| falinux@nadia:~$ sudo apt-get install tomcat7  패키지 목록을 읽는 중입니다... 완료  의존성 트리를 만드는 중입니다  상태 정보를 읽는 중입니다... 완료  다음 패키지를 더 설치할 것입니다:  authbind ca-certificates-java default-jre-headless icedtea-6-jre-cacao  icedtea-6-jre-jamvm java-common libcommons-collections3-java  libcommons-dbcp-java libcommons-pool-java libecj-java libfreetype6  libjpeg-turbo8 libjpeg8 liblcms2-2 libnspr4 libnss3 libnss3-1d libpcsclite1  libservlet3.0-java libtomcat7-java openjdk-6-jre-headless openjdk-6-jre-lib  tomcat7-common tzdata tzdata-java  제안하는 패키지:  default-jre equivs libcommons-collections3-java-doc  libgeronimo-jta-1.0.1b-spec-java ecj ant libecj-java-gcj liblcms2-utils  pcscd libnss-mdns sun-java6-fonts ttf-dejavu-extra fonts-ipafont-gothic  fonts-ipafont-mincho ttf-wqy-microhei ttf-wqy-zenhei ttf-indic-fonts-core  ttf-telugu-fonts ttf-oriya-fonts ttf-kannada-fonts ttf-bengali-fonts  tomcat7-docs tomcat7-admin tomcat7-examples tomcat7-user libtcnative-1  다음 새 패키지를 설치할 것입니다:  authbind ca-certificates-java default-jre-headless icedtea-6-jre-cacao  icedtea-6-jre-jamvm java-common libcommons-collections3-java  libcommons-dbcp-java libcommons-pool-java libecj-java libfreetype6  libjpeg-turbo8 libjpeg8 liblcms2-2 libnspr4 libnss3 libnss3-1d libpcsclite1  libservlet3.0-java libtomcat7-java openjdk-6-jre-headless openjdk-6-jre-lib  tomcat7 tomcat7-common tzdata-java  다음 패키지를 업그레이드할 것입니다:  tzdata  1개 업그레이드, 25개 새로 설치, 0개 제거 및 93개 업그레이드 안 함.  45.8 M바이트 아카이브를 받아야 합니다.  이 작업 후 58.1 M바이트의 디스크 공간을 더 사용하게 됩니다.  계속 하시겠습니까 [Y/n]? y  받기:1 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main libfreetype6 armhf 2.4.8-1ubuntu2.1 [271 kB]  받기:2 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main libjpeg-turbo8 armhf 1.1.90+svn733-0ubuntu4.4 [84.3 kB]  받기:3 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main liblcms2-2 armhf 2.2+git20110628-2ubuntu3.1 [114 kB]  받기:4 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main libnspr4 armhf 4.10.7-0ubuntu0.12.04.1 [110 kB]  받기:5 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main libnss3 armhf 3.17.1-0ubuntu0.12.04.1 [961 kB]  받기:6 http://ports.ubuntu.com/ubuntu-ports/ precise/main libpcsclite1 armhf 1.7.4-2ubuntu2 [19.3 kB]  받기:7 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main openjdk-6-jre-lib all 6b33-1.13.5-1ubuntu0.12.04 [6,225 kB]  받기:8 http://ports.ubuntu.com/ubuntu-ports/ precise/main java-common all 0.43ubuntu2 [61.7 kB]  받기:9 http://ports.ubuntu.com/ubuntu-ports/ precise/main default-jre-headless armhf 1:1.6-43ubuntu2 [3,352 B]  받기:10 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main libnss3-1d armhf 3.17.1-0ubuntu0.12.04.1 [13.4 kB]  받기:11 http://ports.ubuntu.com/ubuntu-ports/ precise/main ca-certificates-java all 20110912ubuntu6 [8,186 B]  받기:12 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main tzdata all 2014i-0ubuntu0.12.04 [461 kB]  받기:13 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main tzdata-java all 2014i-0ubuntu0.12.04 [124 kB]  받기:14 http://ports.ubuntu.com/ubuntu-ports/ precise/main libjpeg8 armhf 8c-2ubuntu7 [2,118 B]  받기:15 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main openjdk-6-jre-headless armhf 6b33-1.13.5-1ubuntu0.12.04 [30.2 MB]  받기:16 http://ports.ubuntu.com/ubuntu-ports/ precise/main libcommons-collections3-java all 3.2.1-5 [603 kB]  받기:17 http://ports.ubuntu.com/ubuntu-ports/ precise/main libcommons-pool-java all 1.5.6-1 [94.0 kB]  받기:18 http://ports.ubuntu.com/ubuntu-ports/ precise/main libcommons-dbcp-java all 1.4-1ubuntu1 [152 kB]  받기:19 http://ports.ubuntu.com/ubuntu-ports/ precise/main libecj-java all 3.5.1-3 [1,231 kB]  받기:20 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/universe libservlet3.0-java all 7.0.26-1ubuntu1.2 [292 kB]  받기:21 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/universe libtomcat7-java all 7.0.26-1ubuntu1.2 [3,418 kB]  받기:22 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/universe tomcat7-common all 7.0.26-1ubuntu1.2 [49.1 kB]  받기:23 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/universe tomcat7 all 7.0.26-1ubuntu1.2 [37.3 kB]  받기:24 http://ports.ubuntu.com/ubuntu-ports/ precise/main authbind armhf 1.2.0build3 [16.0 kB]  받기:25 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main icedtea-6-jre-cacao armhf 6b33-1.13.5-1ubuntu0.12.04 [685 kB]  받기:26 http://ports.ubuntu.com/ubuntu-ports/ precise-updates/main icedtea-6-jre-jamvm armhf 6b33-1.13.5-1ubuntu0.12.04 [541 kB]  내려받기 45.8 M바이트, 소요시간 1분 2초 (734 k바이트/초)  패키지를 미리 설정하는 중입니다...  Selecting previously unselected package libfreetype6.  (데이터베이스 읽는중 ...현재 19637개의 파일과 디렉터리가 설치되어 있습니다.)  libfreetype6 패키지를 푸는 중입니다 (.../libfreetype6\_2.4.8-1ubuntu2.1\_armhf.deb에서) ...  Selecting previously unselected package libjpeg-turbo8.  libjpeg-turbo8 패키지를 푸는 중입니다 (.../libjpeg-turbo8\_1.1.90+svn733-0ubuntu4.4\_armhf.deb에서) ...  Selecting previously unselected package liblcms2-2.  liblcms2-2 패키지를 푸는 중입니다 (.../liblcms2-2\_2.2+git20110628-2ubuntu3.1\_armhf.deb에서) ...  Selecting previously unselected package libnspr4.  libnspr4 패키지를 푸는 중입니다 (.../libnspr4\_4.10.7-0ubuntu0.12.04.1\_armhf.deb에서) ...  Selecting previously unselected package libnss3.  libnss3 패키지를 푸는 중입니다 (.../libnss3\_3.17.1-0ubuntu0.12.04.1\_armhf.deb에서) ...  Selecting previously unselected package libpcsclite1.  libpcsclite1 패키지를 푸는 중입니다 (.../libpcsclite1\_1.7.4-2ubuntu2\_armhf.deb에서) ...  Selecting previously unselected package openjdk-6-jre-lib.  openjdk-6-jre-lib 패키지를 푸는 중입니다 (.../openjdk-6-jre-lib\_6b33-1.13.5-1ubuntu0.12.04\_all.deb에서) ...  Selecting previously unselected package java-common.  java-common 패키지를 푸는 중입니다 (.../java-common\_0.43ubuntu2\_all.deb에서) ...  Selecting previously unselected package default-jre-headless.  default-jre-headless 패키지를 푸는 중입니다 (.../default-jre-headless\_1%3a1.6-43ubuntu2\_armhf.deb에서) ...  Selecting previously unselected package libnss3-1d.  libnss3-1d 패키지를 푸는 중입니다 (.../libnss3-1d\_3.17.1-0ubuntu0.12.04.1\_armhf.deb에서) ...  Selecting previously unselected package ca-certificates-java.  ca-certificates-java 패키지를 푸는 중입니다 (.../ca-certificates-java\_20110912ubuntu6\_all.deb에서) ...  tzdata 2012e-0ubuntu0.12.04.1 패키지를 대체할 준비하는 중입니다 (.../tzdata\_2014i-0ubuntu0.12.04\_all.deb 사용) ...  대체되는 tzdata 패키지를 푸는 중입니다 ...  tzdata (2014i-0ubuntu0.12.04) 설정하는 중입니다 ...  Current default time zone: 'Asia/Seoul'  Local time is now: Thu Oct 23 15:13:27 KST 2014.  Universal Time is now: Thu Oct 23 06:13:27 UTC 2014.  Run 'dpkg-reconfigure tzdata' if you wish to change it.  Selecting previously unselected package tzdata-java.  (데이터베이스 읽는중 ...현재 19799개의 파일과 디렉터리가 설치되어 있습니다.)  tzdata-java 패키지를 푸는 중입니다 (.../tzdata-java\_2014i-0ubuntu0.12.04\_all.deb에서) ...  Selecting previously unselected package libjpeg8.  libjpeg8 패키지를 푸는 중입니다 (.../libjpeg8\_8c-2ubuntu7\_armhf.deb에서) ...  Selecting previously unselected package openjdk-6-jre-headless.  openjdk-6-jre-headless 패키지를 푸는 중입니다 (.../openjdk-6-jre-headless\_6b33-1.13.5-1ubuntu0.12.04\_armhf.deb에서) ...  Selecting previously unselected package libcommons-collections3-java.  libcommons-collections3-java 패키지를 푸는 중입니다 (.../libcommons-collections3-java\_3.2.1-5\_all.deb에서) ...  Selecting previously unselected package libcommons-pool-java.  libcommons-pool-java 패키지를 푸는 중입니다 (.../libcommons-pool-java\_1.5.6-1\_all.deb에서) ...  Selecting previously unselected package libcommons-dbcp-java.  libcommons-dbcp-java 패키지를 푸는 중입니다 (.../libcommons-dbcp-java\_1.4-1ubuntu1\_all.deb에서) ...  Selecting previously unselected package libecj-java.  libecj-java 패키지를 푸는 중입니다 (.../libecj-java\_3.5.1-3\_all.deb에서) ...  Selecting previously unselected package libservlet3.0-java.  libservlet3.0-java 패키지를 푸는 중입니다 (.../libservlet3.0-java\_7.0.26-1ubuntu1.2\_all.deb에서) ...  Selecting previously unselected package libtomcat7-java.  libtomcat7-java 패키지를 푸는 중입니다 (.../libtomcat7-java\_7.0.26-1ubuntu1.2\_all.deb에서) ...  Selecting previously unselected package tomcat7-common.  tomcat7-common 패키지를 푸는 중입니다 (.../tomcat7-common\_7.0.26-1ubuntu1.2\_all.deb에서) ...  Selecting previously unselected package tomcat7.  tomcat7 패키지를 푸는 중입니다 (.../tomcat7\_7.0.26-1ubuntu1.2\_all.deb에서) ...  Selecting previously unselected package authbind.  authbind 패키지를 푸는 중입니다 (.../authbind\_1.2.0build3\_armhf.deb에서) ...  Selecting previously unselected package icedtea-6-jre-cacao.  icedtea-6-jre-cacao 패키지를 푸는 중입니다 (.../icedtea-6-jre-cacao\_6b33-1.13.5-1ubuntu0.12.04\_armhf.deb에서) ...  Selecting previously unselected package icedtea-6-jre-jamvm.  icedtea-6-jre-jamvm 패키지를 푸는 중입니다 (.../icedtea-6-jre-jamvm\_6b33-1.13.5-1ubuntu0.12.04\_armhf.deb에서) ...  ureadahead에 대한 트리거를 처리하는 중입니다 ...  libfreetype6 (2.4.8-1ubuntu2.1) 설정하는 중입니다 ...  libjpeg-turbo8 (1.1.90+svn733-0ubuntu4.4) 설정하는 중입니다 ...  liblcms2-2 (2.2+git20110628-2ubuntu3.1) 설정하는 중입니다 ...  libnspr4 (4.10.7-0ubuntu0.12.04.1) 설정하는 중입니다 ...  libnss3 (3.17.1-0ubuntu0.12.04.1) 설정하는 중입니다 ...  libpcsclite1 (1.7.4-2ubuntu2) 설정하는 중입니다 ...  java-common (0.43ubuntu2) 설정하는 중입니다 ...  tzdata-java (2014i-0ubuntu0.12.04) 설정하는 중입니다 ...  libjpeg8 (8c-2ubuntu7) 설정하는 중입니다 ...  libnss3-1d (3.17.1-0ubuntu0.12.04.1) 설정하는 중입니다 ...  libcommons-collections3-java (3.2.1-5) 설정하는 중입니다 ...  libcommons-pool-java (1.5.6-1) 설정하는 중입니다 ...  libecj-java (3.5.1-3) 설정하는 중입니다 ...  libservlet3.0-java (7.0.26-1ubuntu1.2) 설정하는 중입니다 ...  authbind (1.2.0build3) 설정하는 중입니다 ...  openjdk-6-jre-lib (6b33-1.13.5-1ubuntu0.12.04) 설정하는 중입니다 ...  openjdk-6-jre-headless (6b33-1.13.5-1ubuntu0.12.04) 설정하는 중입니다 ...  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/java 사용해서 자동 모드에서 /usr/bin/java (java) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/keytool 사용해서 자동 모드에서 /usr/bin/keytool (keytool) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/pack200 사용해서 자동 모드에서 /usr/bin/pack200 (pack200) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/rmid 사용해서 자동 모드에서 /usr/bin/rmid (rmid) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/rmiregistry 사용해서 자동 모드에서 /usr/bin/rmiregistry (rmiregistry) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/unpack200 사용해서 자동 모드에서 /usr/bin/unpack200 (unpack200) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/orbd 사용해서 자동 모드에서 /usr/bin/orbd (orbd) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/servertool 사용해서 자동 모드에서 /usr/bin/servertool (servertool) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/bin/tnameserv 사용해서 자동 모드에서 /usr/bin/tnameserv (tnameserv) 제공.  update-alternatives: /usr/lib/jvm/java-6-openjdk-armhf/jre/lib/jexec 사용해서 자동 모드에서 /usr/bin/jexec (jexec) 제공.  default-jre-headless (1:1.6-43ubuntu2) 설정하는 중입니다 ...  libcommons-dbcp-java (1.4-1ubuntu1) 설정하는 중입니다 ...  libtomcat7-java (7.0.26-1ubuntu1.2) 설정하는 중입니다 ...  tomcat7-common (7.0.26-1ubuntu1.2) 설정하는 중입니다 ...  tomcat7 (7.0.26-1ubuntu1.2) 설정하는 중입니다 ...  Creating config file /etc/default/tomcat7 with new version  Adding system user `tomcat7' (UID 105) ...  Adding new user `tomcat7' (UID 105) with group `tomcat7' ...  Not creating home directory `/usr/share/tomcat7'.  \* Starting Tomcat servlet engine tomcat7 [ OK ]  icedtea-6-jre-cacao (6b33-1.13.5-1ubuntu0.12.04) 설정하는 중입니다 ...  icedtea-6-jre-jamvm (6b33-1.13.5-1ubuntu0.12.04) 설정하는 중입니다 ...  ca-certificates-java (20110912ubuntu6) 설정하는 중입니다 ...  Adding debian:VeriSign\_Class\_3\_Public\_Primary\_Certification\_Authority\_-\_G4.pem  Adding debian:QuoVadis\_Root\_CA\_3.pem  Adding debian:TC\_TrustCenter\_\_Germany\_\_Class\_3\_CA.pem  Adding debian:UTN\_USERFirst\_Email\_Root\_CA.pem  Adding debian:Starfield\_Services\_Root\_Certificate\_Authority\_-\_G2.pem  Adding debian:GlobalSign\_Root\_CA\_-\_R2.pem  Adding debian:Visa\_eCommerce\_Root.pem  Adding debian:Verisign\_Class\_1\_Public\_Primary\_Certification\_Authority\_-\_G3.pem  Adding debian:TC\_TrustCenter\_\_Germany\_\_Class\_2\_CA.pem  Adding debian:GeoTrust\_Global\_CA\_2.pem  Adding debian:Certplus\_Class\_2\_Primary\_CA.pem  Adding debian:Staat\_der\_Nederlanden\_Root\_CA.pem  Adding debian:AddTrust\_Qualified\_Certificates\_Root.pem  Adding debian:Equifax\_Secure\_eBusiness\_CA\_2.pem  Adding debian:AffirmTrust\_Commercial.pem  Adding debian:Go\_Daddy\_Class\_2\_CA.pem  Adding debian:UTN\_USERFirst\_Hardware\_Root\_CA.pem  Adding debian:ComSign\_CA.pem  Adding debian:SecureTrust\_CA.pem  Adding debian:GeoTrust\_Universal\_CA.pem  Adding debian:Verisign\_Class\_3\_Public\_Primary\_Certification\_Authority\_-\_G3.pem  Adding debian:VeriSign\_Universal\_Root\_Certification\_Authority.pem  Adding debian:Equifax\_Secure\_CA.pem  Adding debian:Hongkong\_Post\_Root\_CA\_1.pem  Adding debian:SwissSign\_Gold\_CA\_-\_G2.pem  Adding debian:Certum\_Root\_CA.pem  Adding debian:America\_Online\_Root\_Certification\_Authority\_2.pem  Adding debian:Camerfirma\_Chambers\_of\_Commerce\_Root.pem  Adding debian:Firmaprofesional\_Root\_CA.pem  Adding debian:ComSign\_Secured\_CA.pem  Adding debian:NetLock\_Express\_=Class\_C=\_Root.pem  Adding debian:QuoVadis\_Root\_CA.pem  Adding debian:Verisign\_Class\_2\_Public\_Primary\_Certification\_Authority.pem  Adding debian:Verisign\_Class\_1\_Public\_Primary\_Certification\_Authority.pem  Adding debian:AffirmTrust\_Premium\_ECC.pem  Adding debian:TDC\_OCES\_Root\_CA.pem  Adding debian:Thawte\_Premium\_Server\_CA.pem  Adding debian:ePKI\_Root\_Certification\_Authority.pem  Adding debian:Sonera\_Class\_2\_Root\_CA.pem  Adding debian:WellsSecure\_Public\_Root\_Certificate\_Authority.pem  Adding debian:ApplicationCA\_-\_Japanese\_Government.pem  Adding debian:Camerfirma\_Global\_Chambersign\_Root.pem  Adding debian:COMODO\_Certification\_Authority.pem  Adding debian:DigiCert\_Assured\_ID\_Root\_CA.pem  Adding debian:thawte\_Primary\_Root\_CA.pem  Adding debian:TWCA\_Root\_Certification\_Authority.pem  Adding debian:Verisign\_Class\_1\_Public\_Primary\_Certification\_Authority\_-\_G2.pem  Adding debian:RSA\_Security\_2048\_v3.pem  Adding debian:AddTrust\_Public\_Services\_Root.pem  Adding debian:Buypass\_Class\_2\_CA\_1.pem  Adding debian:GeoTrust\_Universal\_CA\_2.pem  Adding debian:CA\_Disig.pem  Adding debian:Comodo\_Trusted\_Services\_root.pem  Adding debian:Security\_Communication\_Root\_CA.pem  Adding debian:StartCom\_Certification\_Authority.pem  Adding debian:GeoTrust\_Primary\_Certification\_Authority.pem  Adding debian:NetLock\_Qualified\_=Class\_QA=\_Root.pem  Adding debian:Autoridad\_de\_Certificacion\_Firmaprofesional\_CIF\_A62634068.pem  Adding debian:Staat\_der\_Nederlanden\_Root\_CA\_-\_G2.pem  Adding debian:Secure\_Global\_CA.pem  Adding debian:Go\_Daddy\_Root\_Certificate\_Authority\_-\_G2.pem  Adding debian:TC\_TrustCenter\_Class\_3\_CA\_II.pem  Adding debian:SwissSign\_Platinum\_CA\_-\_G2.pem  Adding debian:ca.pem  Adding debian:Global\_Chambersign\_Root\_-\_2008.pem  Adding debian:Buypass\_Class\_3\_CA\_1.pem  Adding debian:NetLock\_Business\_=Class\_B=\_Root.pem  Adding debian:ValiCert\_Class\_2\_VA.pem  Adding debian:GeoTrust\_Global\_CA.pem  Adding debian:America\_Online\_Root\_Certification\_Authority\_1.pem  Adding debian:Verisign\_Class\_4\_Public\_Primary\_Certification\_Authority\_-\_G3.pem  Adding debian:Entrust.net\_Secure\_Server\_CA.pem  Adding debian:Taiwan\_GRCA.pem  Adding debian:Microsec\_e-Szigno\_Root\_CA.pem  Adding debian:A-Trust-nQual-03.pem  Adding debian:AddTrust\_External\_Root.pem  Adding debian:Comodo\_Secure\_Services\_root.pem  Adding debian:SwissSign\_Silver\_CA\_-\_G2.pem  Adding debian:DigiCert\_Global\_Root\_CA.pem  Adding debian:XRamp\_Global\_CA\_Root.pem  Adding debian:CNNIC\_ROOT.pem  Adding debian:Chambers\_of\_Commerce\_Root\_-\_2008.pem  Adding debian:GlobalSign\_Root\_CA.pem  Adding debian:VeriSign\_Class\_3\_Public\_Primary\_Certification\_Authority\_-\_G5.pem  Adding debian:TC\_TrustCenter\_Universal\_CA\_III.pem  Adding debian:certSIGN\_ROOT\_CA.pem  Adding debian:ssl-cert-snakeoil.pem  Adding debian:IGC\_A.pem  Adding debian:Verisign\_Class\_3\_Public\_Primary\_Certification\_Authority\_-\_G2.pem  Adding debian:Starfield\_Class\_2\_CA.pem  Adding debian:NetLock\_Arany\_=Class\_Gold=\_Főtanúsítvány.pem  Adding debian:Thawte\_Server\_CA.pem  Adding debian:Juur-SK.pem  Adding debian:Security\_Communication\_EV\_RootCA1.pem  Adding debian:Certum\_Trusted\_Network\_CA.pem  Adding debian:Baltimore\_CyberTrust\_Root.pem  Adding debian:S-TRUST\_Authentication\_and\_Encryption\_Root\_CA\_2005\_PN.pem  Adding debian:DigiCert\_High\_Assurance\_EV\_Root\_CA.pem  Adding debian:Digital\_Signature\_Trust\_Co.\_Global\_CA\_1.pem  Adding debian:GlobalSign\_Root\_CA\_-\_R3.pem  Adding debian:Equifax\_Secure\_eBusiness\_CA\_1.pem  Adding debian:UTN\_DATACorp\_SGC\_Root\_CA.pem  Adding debian:Certigna.pem  Adding debian:Comodo\_AAA\_Services\_root.pem  Adding debian:TÜBİTAK\_UEKAE\_Kök\_Sertifika\_Hizmet\_Sağlayıcısı\_-\_Sürüm\_3.pem  Adding debian:EBG\_Elektronik\_Sertifika\_Hizmet\_Sağlayıcısı.pem  Adding debian:TDC\_Internet\_Root\_CA.pem  Adding debian:Verisign\_Class\_2\_Public\_Primary\_Certification\_Authority\_-\_G2.pem  Adding debian:E-Guven\_Kok\_Elektronik\_Sertifika\_Hizmet\_Saglayicisi.pem  Adding debian:AffirmTrust\_Networking.pem  Adding debian:AddTrust\_Low-Value\_Services\_Root.pem  Adding debian:TC\_TrustCenter\_Class\_2\_CA\_II.pem  Adding debian:Digital\_Signature\_Trust\_Co.\_Global\_CA\_3.pem  Adding debian:Equifax\_Secure\_Global\_eBusiness\_CA.pem  Adding debian:Verisign\_Class\_3\_Public\_Primary\_Certification\_Authority.pem  Adding debian:spi-cacert-2008.pem  Adding debian:Starfield\_Root\_Certificate\_Authority\_-\_G2.pem  Adding debian:AffirmTrust\_Premium.pem  Adding debian:thawte\_Primary\_Root\_CA\_-\_G3.pem  Adding debian:Izenpe.com.pem  Adding debian:AC\_Raíz\_Certicámara\_S.A..pem  Adding debian:GeoTrust\_Primary\_Certification\_Authority\_-\_G2.pem  Adding debian:Cybertrust\_Global\_Root.pem  Adding debian:OISTE\_WISeKey\_Global\_Root\_GA\_CA.pem  Adding debian:COMODO\_ECC\_Certification\_Authority.pem  Adding debian:ValiCert\_Class\_1\_VA.pem  Adding debian:RSA\_Root\_Certificate\_1.pem  Adding debian:Verisign\_Class\_4\_Public\_Primary\_Certification\_Authority\_-\_G2.pem  Adding debian:thawte\_Primary\_Root\_CA\_-\_G2.pem  Adding debian:spi-ca-2003.pem  Adding debian:Sonera\_Class\_1\_Root\_CA.pem  Adding debian:ACEDICOM\_Root.pem  Adding debian:DST\_ACES\_CA\_X6.pem  Adding debian:Entrust.net\_Premium\_2048\_Secure\_Server\_CA.pem  Adding debian:Entrust\_Root\_Certification\_Authority.pem  Adding debian:Network\_Solutions\_Certificate\_Authority.pem  Adding debian:TC\_TrustCenter\_Universal\_CA\_I.pem  Adding debian:Deutsche\_Telekom\_Root\_CA\_2.pem  Adding debian:cacert.org.pem  Adding debian:NetLock\_Notary\_=Class\_A=\_Root.pem  Adding debian:TURKTRUST\_Certificate\_Services\_Provider\_Root\_2.pem  Adding debian:QuoVadis\_Root\_CA\_2.pem  Adding debian:Verisign\_Class\_2\_Public\_Primary\_Certification\_Authority\_-\_G3.pem  Adding debian:TURKTRUST\_Certificate\_Services\_Provider\_Root\_1.pem  Adding debian:Root\_CA\_Generalitat\_Valenciana.pem  Adding debian:Wells\_Fargo\_Root\_CA.pem  Adding debian:SecureSign\_RootCA11.pem  Adding debian:Swisscom\_Root\_CA\_1.pem  Adding debian:Certinomis\_-\_Autorité\_Racine.pem  Adding debian:GeoTrust\_Primary\_Certification\_Authority\_-\_G3.pem  Adding debian:Microsec\_e-Szigno\_Root\_CA\_2009.pem  Adding debian:GTE\_CyberTrust\_Global\_Root.pem  Adding debian:DST\_Root\_CA\_X3.pem  done.  libc-bin에 대한 트리거를 처리하는 중입니다 ...  ldconfig deferred processing now taking place |

## 버전 확인

아래의 명령어로 tomcat7 서버의 버전을 확인한다.

|  |
| --- |
| falinux@nadia:~$ /usr/share/tomcat7/bin/version.sh  Using CATALINA\_BASE: /usr/share/tomcat7  Using CATALINA\_HOME: /usr/share/tomcat7  Using CATALINA\_TMPDIR: /usr/share/tomcat7/temp  Using JRE\_HOME: /usr  Using CLASSPATH: /usr/share/tomcat7/bin/bootstrap.jar:/usr/share/tomcat7/bin/tomcat-juli.jar  Server version: Apache Tomcat/7.0.26  Server built: Apr 1 2013 08:32:04  Server number: 7.0.26.0  OS Name: Linux  OS Version: 3.12.0+  Architecture: arm  JVM Version: 1.6.0\_33-b33  JVM Vendor: Sun Microsystems Inc. |

## 동작 확인

아래의 명령어로 tomcat7 서버가 정상 동작하고 있는지 확인한다.

|  |
| --- |
| falinux@nadia:~$ sudo service tomcat7 status  \* Tomcat servlet engine is running with pid 1179  falinux@nadia:~$ ifconfig  eth0 Link encap:Ethernet HWaddr 00:fa:13:44:00:0f  inet addr:192.168.0.185 Bcast:192.168.255.255 Mask:255.255.0.0  inet6 addr: fe80::2fa:13ff:fe44:f/64 Scope:Link  UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1  RX packets:35775 errors:0 dropped:0 overruns:0 frame:0  TX packets:8665 errors:0 dropped:0 overruns:0 carrier:0  collisions:0 txqueuelen:1000  RX bytes:50302285 (50.3 MB) TX bytes:521708 (521.7 KB)  lo Link encap:Local Loopback  inet addr:127.0.0.1 Mask:255.0.0.0  inet6 addr: ::1/128 Scope:Host  UP LOOPBACK RUNNING MTU:65536 Metric:1  RX packets:6 errors:0 dropped:0 overruns:0 frame:0  TX packets:6 errors:0 dropped:0 overruns:0 carrier:0  collisions:0 txqueuelen:0  RX bytes:384 (384.0 B) TX bytes:384 (384.0 B) |

브라우저로 접속하여 동작상태를 확인한다.

