

Installing Autonomy								
Manual	Pg No	CD	Status	Sections and Sub-Sections	Comments			
				Preparation for Install				
				Verify Web Server Installation				
				Acquire Installation CD and verify contents				
				Installing the Autonomy Software				
				Autonomy Server – SU35E2				
				Replace the word system for each respective environment:				
				* development: system = dev (e.g. /var/dev/autonomy/autonomy_db)				
				* testing: system = tst (e.g. /var/tst/autonomy/autonomy_db)				
				* staging: system = stg (e.g. /var/stg/autonomy/autonomy_db)				
				1. Copy all autonomy compressed files from Autonomy CD-ROM to /tmp				
				a. cd /cdrom/cdrom0/autono~1				
				b. cp server-1.z /tmp/.				
				c. cp update-1.z /tmp/.				
				d. cp httpfe-2.z /tmp/.				
				2. Rename and uncompress autonomy files in /tmp				
				a. cd /tmp				
				b. mv server-1.z KnowServer210.Z				
				c. mv update-1.z KnowUpdate210.Z				
				d. mv httpfe-2.z HTTPFetch210.Z				
				e. uncompress *.Z				
				3. Extract autonomy archive files				
				i. tar xvf KnowServer210				
				ii. tar xvf KnowUpdate210				
				iii. tar xvf HTTPFetch210				
				4. Create root directory structure for the environment				
				a. /var/ system /autonomy/autonomy_db				
				b. /opt/ system /IBMHTTPD/htdocs/en_US				
				c. /opt/ system /IBMHTTPD/cgi-bin				
				5. Begin KnowServer210 installation				
				a. cd /tmp/server-2.1.0				
				b. ./Setup.sh				
				i. KnowServer210				
				ii. /var/ system /autonomy/autonomy_db/KnowServer210				
				iii. 127.0.0.1				
				iv. <Data DRE Query Port #> (see Autonomy ports table above)				
				v. <Data DRE Index Port #> (see Autonomy ports table above)				
				vi. /opt/ system /IBMHTTPD/htdocs/en_US				
				vii. /opt/ system /IBMHTTPD/cgi-bin				
				viii. /Scripts				
				c. During installation select Classic for styling scheme.				
				6. Fix permission problem before KnowUpdate210 installation				
				a. cd /tmp/update-2.1.0/utils				
				b. chmod a+x replace				
				7. Begin KnowUpdate210 installation				
				a. cd /tmp/update-2.1.0				

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				b. ./Setup.sh <ul style="list-style-type: none"> i. KnowUpdate210 ii. 127.0.0.1 iii. /var/system/autonomy/autonomy_db/KnowUpdate210 iv. /opt/ system /IBMHTTPD/htdocs/en_US v. /opt/ system /IBMHTTPD/cgi-bin vi. /Scripts c. During installation use these parameters (see Autonomy ports table above) <ul style="list-style-type: none"> i. query port = <data DRE query port> ii. instructions port = <data DRE index port> iii. community query port = <community DRE query port> iv. community instructions port = <community DRE index port> v. Styling scheme = Classic vi. Splash screen = Results vii. Channels = No Channels viii. Community = Community ix. Users = Advanced Users x. View Results = All expanded initially 8. Begin HTTPFetch210 installation <ul style="list-style-type: none"> a. cd /tmp/httpfetch-2.1.0 b. ./Setup.sh <ul style="list-style-type: none"> i. HTTPFetch210 ii. /var/system/autonomy/autonomy_db/HTTPFetch210 iii. <HTTPFetch Service Port #> (see Autonomy ports table above) iv. 127.0.0.1 v. <Data DRE Index Port #> (see Autonomy ports table above) vi. Archive 9. Edit StartQuery.sh <ul style="list-style-type: none"> a. cd /var/system/autonomy/autonomy_db/KnowServer210 b. vi StartQuery.sh c. Change the line reading: <ul style="list-style-type: none"> i. nohup KnowServer210queryh & d. to: <ul style="list-style-type: none"> i. nohup ./KnowServer210queryh & 10. Edit StartIndexer.sh <ul style="list-style-type: none"> a. cd /var/system/autonomy/autonomy_db/KnowServer210 b. vi StartIndexer.sh c. Change the line reading: <ul style="list-style-type: none"> i. nohup KnowServer210autoindexer & d. to: <ul style="list-style-type: none"> i. nohup ./KnowServer210autoindexer & 11. The installation of KnowledgeServer, KnowledgeUpdate, and HTTPFetch on the Autonomy server is now complete.	
				Web Server – SU35E3 <ul style="list-style-type: none"> 1. Archive necessary files on Autonomy server for distributed environment setup of Web server machine. <ul style="list-style-type: none"> a. cgi-bin files on Autonomy server <ul style="list-style-type: none"> i. cd /opt/system /IBMHTTPD/cgi-bin ii. tar cvf autonomy_cgi.tar . b. HTML documents on Autonomy server <ul style="list-style-type: none"> i. cd /opt/ system /IBMHTTPD/htdocs/en_US ii. tar cvf autonomy_htdocs.tar . c. wwwtemplates on Autonomy server 	

Appendix A: Autonomy Installation Checklist

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				i. cd /var/ system /autonomy/autonomy_db/KnowServer210 ii. tar cvf autonomy_temp.tgz wwwtemplates	
				2. On Web server machine, retrieve archived cgi-bin files from Autonomy server.	
				a. ftp <Autonomy Server> b. cd /opt/ system /IBMHTTPD c. lcd /opt/ system /IBMHTTPD/cgi-bin d. binary e. get autonomy_cgi.tar f. quit	
				3. Extract archived cgi-bin files on Web server	
				a. cd /opt/ system /IBMHTTPD/cgi-bin b. tar xvf autonomy_cgi.tar c. rm autonomy_cgi.tar	
				4. Modify httpd.conf to add alias for /Scripts	
				a. cd /opt/ system /IBMHTTPD/conf b. vi httpd.conf c. add the following line in the ScriptAlias section ScriptAlias /Scripts /opt/ system /IBMHTTPD/cgi-bin	
				5. Restart Web server	
				a. cd /opt/ system /IBMHTTPD/bin b. ./apachectl restart	
				6. Determine the DocumentRoot on the Web server.	
				a. cd /opt/ system /IBMHTTPD/conf b. vi httpd.conf c. search for DocumentRoot d. record the directory path, because this is where the Autonomy HTML documents need to be extracted (currently /opt/ system /IBMHTTPD/htdocs)	
				7. Retrieve archived document files from Autonomy server.	
				a. ftp <Autonomy server> b. cd /opt/ system /IBMHTTPD/htdocs/en_US c. lcd <DocumentRoot> d. binary e. get autonomy_htdocs.tar f. quit	
				8. Extract archived htdocs files on Web server	
				a. cd <DocumentRoot> b. tar xvf autonomy_htdocs.tar c. rm autonomy_htdocs.tar	
				9. Create directory structure to hold wwwtemplates.	
				a. /var/ system /autonomy/autonomy_db/KnowServer210	
				10. Retrieve archived wwwtemplates files from Autonomy server.	
				a. ftp <Autonomy server> b. cd /var/ system /autonomy/autonomy_db/KnowServer210 c. lcd /var/ system /autonomy/autonomy_db/KnowServer210 d. binary e. get autonomy_temp.tgz f. quit	
				11. Extract archived wwwtemplates files on Web server	
				a. cd /var/ system /autonomy/autonomy_db/KnowServer210 b. tar xvf autonomy_temp.tgz c. rm autonomy_temp.tgz	

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				12. Configure the Web server to find the DRE host. a. cd /opt/system/IBMHHTPD/cgi-bin b. vi KnowServer210.cfg c. in the [DRE] section change the ip address to that of the Autonomy server machine	
				13. Begin the KnowledgeBuilder installation a. insert CD into CD_ROM b. cd /cdrom/cdrom0/kbuilder c. cp *.zip /tmp	
				14. Extract Knowledge Builder files a. cd /tmp b. unzip *.zip	
				15. Make Knowledge Builder directory structure a. mkdir /opt/autonomy/lib b. mkdir /opt/autonomy/include	
				16. Copy Knowledge Builder files to appropriate directories a. cd /tmp b. cp * /opt/autonomy/lib/ c. cp * /opt/autonomy/include/	
				17. Convert header files to Unix format a. cd /opt/autonomy/include b. dos2unix agentdre.h agentdre.h c. dos2unix autonomy.h autonomy.h d. dos2unix categorize.h categorize.h e. dos2unix dreapi.h dreapi.h f. dos2unix imex.h imex.h g. dos2unix schedule.h schedule.h h. dos2unix spider.h spider.h i. dos2unix useragent.h useragent.h j. dos2unix userprofile.h userprofile.h	
				18. This completes the installation of Autonomy files on the Web server machine.	
				Post Install Instructions	
				In a Web browser, bring up the KnowledgeServer configuration page to ensure it is running. http://<autonomy server>:<data query port #>/qmethod=v	
				In a Web browser, bring up the KnowledgeServer CGI frontend to ensure cross platform configuration works. http://<webserver server>:<web server port>/KnowServer210/	