```
1
2
3       Rem SQL2008 R2 preferred, then SQL2005, SQL2012 next, then MSDE2000
4
5       Rem =========================================
6       Rem ======
             ======
7       Rem ======        V4    SCRIPT INITIALISATION        ======
8       Rem ======
             ======
9       Rem =========================================
10
11      Rem EnablerSetup return codes:
12      Rem 0 - Successful
13      Rem 1 - Parameter error
14      Rem 2 - new IE/new MDAC required
15      Rem 3 - UNC(network) Install error
16      Rem 4 - No Database Server/MSI/.NET components to install. (Can't add
            Start menu items)
17      Rem 5 - SA Password error
18      Rem 6 - MSDE/MSI requires reboot
19      Rem 7 - MSDE/MSI/.NET installation error
20      Rem 8 - OSQL not working after install. Reboot required.
21      Rem 9 - DBInstall.bat error
22      Rem 10 - Upgrade error
23      Rem 11 - SQL Server not running
24      Rem 12 - Windows OS not supported
25      Rem 13 - UNUSED (was Device Driver Installation Failure)
26      Rem 14 - UNUSED (was The Driver requires a restart to complete
            installation)
27      Rem 15 - UNUSED (was The Device wasn't present after driver installation)
28      Rem 16 - UNUSED (was File copy error)
29      Rem 17 - Not admin
30      Rem 18 - SQL Version not compatible
31      Rem 19 - SQL Named Instance incorrect
32      Rem 20 - not enough disk space
33      Rem 21 - C: drive compressed
34      Rem 22 - Installation of VC runtime failed
35      Rem 23 - .NET 3.5 required but cannot be installed automatically (Windows
            Server 2008 only)
36      Rem 24 Enabler API install failed
37      Rem 25 8dot3Name disabled
38
39
40      Rem This varaible forces applications to be installed even if the SDK
            options is not avaliable or selected
41      Rem By including a letter in a varaible that application will be installed
42      Rem Even if the SDK options is not avaliable or ticked
43      Rem See the varaible near the bottom to change what applications are
            installed when SDK is checked
44      Rem A - MMPSim
45      Rem B - Pumpdemo
46      Rem C - Documents (This includes all SDK documents)
47      Rem D - Sample Apps (All sample apps are copied across)
```

```
48      Rem F - ITLMPPSim.dll
49      Rem The default is for none of the apps to be installed without the SDK
            option selected
50      Set Variable SDK_OPTIONS to
51
52      Rem Initialise components variable
53      Set Variable COMPONENTS to
54      Get Registry Key Software\ITL\Enabler place in Variable COMPONENTS
55
56      Rem Initialise Applications variable
57      Set Variable APPLICATIONS to
58      Get Registry Key Software\ITL\Enabler place in Variable APPLICATIONS
59
60      Rem OS_ARCHITECTURE variable to store the os architecture (32 or 64)
61      Set Variable OS to
62      Set Variable OS_ARCHITECTURE to
63      Set Variable OS_ARCHITEW6432 to
64      Set Variable OPERATING_SYSTEM to
65      Rem Disabling 8.3 will install files with short name:
            https://support.microsoft.com/en-us/kb/121007
66      Set Variable FILE_SYSTEM to
67
68      Rem Get the environment variables to determine OS
69      Get Environment Variable PROCESSOR_ARCHITECTURE into Variable
            OS_ARCHITECTURE
70      Get Environment Variable PROCESSOR_ARCHITEW6432 into Variable
            OS_ARCHITEW6432
71
72      If OS_ARCHITECTURE Equals "AMD64" then
73          Set Variable OS to 64
74      ElseIf OS_ARCHITECTURE Equals "IA64" then
75          Set Variable OS to 64
76      ElseIf OS_ARCHITECTURE Equals "x86" then
77          If OS_ARCHITEW6432 Equals "AMD64" then
78              Rem Installing driver from 32-bit installer on 64-bit OS (WOW64)
79              Set Variable OS to 64
80          Else
81              Rem Installing driver from 32-bit installer on 32-bit OS
82              Set Variable OS to 32
83          End
84      End
85
86      Rem We will set this variable according to the 'Windows Current Version'
            Registry Key
87      Rem NOTE: The Registry Key is: \\HKLM\Software\Microsoft\Windows
            NT\CurrentVersion\(CurrentVersion) - it contains a number.
88      Rem NOTE: Windows 10 returns a value of 6.3 for backwards compatibility.
            Indicates its Windows 8.1
89      Get Registry Key Software\Microsoft\Windows NT\CurrentVersion place in
            Variable OPERATING_SYSTEM
90
91      Rem Driver Installation code
92      Set Variable DRIVERCODE to 0
93
```

```
94      Rem SQL Server Major Product Number
95      Set Variable SQLVER_MAJOR to
96
97      Rem APPTITLE is the application title of the installation
98      Set Variable APPTITLE to The Enabler
99      Set Variable SQLTITLE to
100
101     Rem GROUP is the variable that holds the Program Files Group that
            shortcuts will be placed on the Windows Start Menu
102     Set Variable GROUP to The Enabler
103
104     Rem DISABLED variable is initialized for backward compatability
105     Set Variable DISABLED to !
106
107     Rem MAINDIR is the variable that holds the default destination directory
108     Set Variable MAINDIR to Enabler
109     Set Variable MAINDIR to C:\%MAINDIR%
110
111     Set Variable BACKUP to %MAINDIR%\BACKUP
112     Rem BACKUP is the variable that holds the path that all backup files will
            be copied to when overwritten
113
114     Rem DOBACKUP determines if a backup will be performed.  The possible
            values are A (do backup) or B (do not do backup)
115     Set Variable DOBACKUP to B
116
117     Rem DBDIR specifies the location of the Enabler database files
118     Set Variable DBDIR to C:\EnablerDB
119
120     Set Variable SQLSERVER_STARTED to
121
122     Rem SA_PASSWORD stores the SA password (if any)
123     Set Variable SA_PASSWORD to
124
125     Rem SQL Named Instance name
126     Set Variable SQL_SERVERS to
127
128     Rem SQL Named Instance name
129     Set Variable SQL_INSTANCE to
130     Set Variable CLIENT_SQL_INSTANCE to
131     Set Variable PC_NAME to
132     Get Environment Variable COMPUTERNAME into Variable PC_NAME
133     Set Variable SQLQUERY to
134     Set Variable INSTANCE_NAME_NEEDED to 1
135     Set Variable INSTANCE_NAME_LIST to 0
136     Set Variable CMD_INSTANCE to
137     Set Variable SQL_INSTANCES to
138
139     Rem OSQL_PATH stores the path to OSQL.EXE
140     Set Variable OSQL_PATH to
141
142     Rem SERVER_NAME stores the Enabler Server name (used for client installs
            only)
143     Set Variable SERVER_NAME to
```

```
144      Get Environment Variable COMPUTERNAME into Variable ENV_COMPUTERNAME
145
146      Rem Variable to determine if the BAckup up checkbox option should be shown
             or not
147      Set Variable PRE_BACKUP to 0
148
149      Rem Initialise Checked variable this stops applications variable resetting
             in the wizard loop
150      Set Variable CHECKED to A
151
152      Rem Set variables for an SDK build. SDK checked, SDK_APPS if present
153      Set Variable SDK to
154      Set Variable SDK_APPS to 0
155      Get Registry Key Software\ITL\Enabler place in Variable SDK
156
157      Rem Variables with defaults for ENBWEB port & domain
158      Get Registry Key Software\ITL\Enabler place in Variable ENBWEB_DOMAIN
159      Get Registry Key Software\ITL\Enabler place in Variable ENBWEB_PORT
160
161      Rem Initialise icons variable. A is desktop icons B is start menu icons
162      Set Variable ICONS to B
163
164      Rem set variables to start apps or restart computer on finish
165      Set Variable NOSTART to 0
166      Set Variable RUNNING to
167      Set Variable START_MPP to
168      Set Variable START_PUMP to
169
170      Rem Initialise unattended variables
171      Set Variable UNATTENDED to 0
172      Set Variable SILENT to 0
173      Set Variable PHASE2 to 0
174
175      Rem Initialise fast startup variables
176      Set Variable FAST_STARTUP to 0
177
178      Rem Initialise variables for detecting Adminstrator and User group
179      Set Variable BUILTIN_USERS_GROUP to S-1-5-32-545
180      Set Variable BUILTIN_ADMINISTRATORS_GROUP to S-1-5-32-544
181
182      Rem SHOW_USAGE indicates whether we should display a dialog describing the
             installer command-line usage
183      Set Variable SHOW_USAGE to 0
184
185      If System Doesn't Have Windows NT Running then
186          If System Doesn't Have Windows NT/95/98/ME Running Abort Installation
187      End
188
189      Rem Get Windows version
190      Get System Information into WINDOWS_VERSION
191
192      Rem Start WISE.LOG and record the Enabler version
193      Continue/Start writing to installation log
194
```

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```
195     Rem Check the Windows version to see if running on Windows 10
196     Execute CMD.EXE /C  ver | find /i "Version 10." (Wait)
197     If INSTALL_RESULT Equals "0" then
198         Add "Running on Windows 10 / Windows Server 2016, set OPERATING SYSTEM
               = 10" to INSTALL.LOG
199         Set Variable OPERATING_SYSTEM to 10
200     End
201
202     Add "os = %OPERATING_SYSTEM%  ir=%INSTALL_RESULT%" to INSTALL.LOG
203
204     Add "Installing Enabler V%ENB_VERSION% on Windows V%WINDOWS_VERSION%
           %OS%bit (Version %OPERATING_SYSTEM%)" to INSTALL.LOG
205
206     Rem Driver Installation code
207
208     Rem
           ======================================================================...
209     Rem PARSE COMMAND LINE OPTIONS
210     Rem
           ======================================================================...
211     Set Variable CMDLINE_LOG to
212     Set Variable CMDLINEUPPER to %CMDLINE%
213     While CMDLINE Not Equal "" loop
214         Set Variable CMDOPTION to
215         Set Variable CMDUPPER to
216         Parse String "%CMDLINE%" into CMDOPTION and CMDLINE
217         Set Variable CMDUPPER to %CMDOPTION%
218         Rem !!! DEBUG ONLY - COMMENT OUT FOR RELEASE !!!
219         /* Add "Option = %CMDUPPER%" to INSTALL.LOG
220         Rem !!! DEBUG ONLY - COMMENT OUT FOR RELEASE !!!
221
222         Set Variable CMDSTART to
223         Set Variable CMDEND to
224         Parse String "%CMDUPPER%" into CMDSTART and CMDEND
225
226         Rem Check for /? or /h or -? or -h  - AT THE START OF THE STRING
227         If CMDSTART Equals (Ignore Case) "-H" then
228             Add "User requested usage -H" to INSTALL.LOG
229             Set Variable SHOW_USAGE to 1
230         End
231         If CMDSTART Equals (Ignore Case) "-?" then
232             Add "User requested usage -?" to INSTALL.LOG
233             Set Variable SHOW_USAGE to 1
234         End
235         If CMDSTART Equals (Ignore Case) "/H" then
236             Add "User requested usage /H" to INSTALL.LOG
237             Set Variable SHOW_USAGE to 1
238         End
239         If CMDSTART Equals (Ignore Case) "/?" then
240             Add "User requested usage /?" to INSTALL.LOG
241             Set Variable SHOW_USAGE to 1
242         End
243
244         Rem Silent unattended install
```

```
245          If CMDUPPER Contains "/S" then
246             Add "SILENT install selected" to INSTALL.LOG
247             Set Variable UNATTENDED to 1
248             Set Variable SILENT to 1
249             Rem This error return code is only for Silent Mode Install
250             Set Variable WISE_ERROR_RTN to 1
251          End
252
253          Rem Automatic server install
254          If CMDUPPER Contains "/FULL" then
255             Add "FULL Enabler Server install selected" to INSTALL.LOG
256             Set Variable UNATTENDED to 1
257             Set Variable COMPONENTS to B
258             Set Variable APPLICATIONS to ABCDEF
259             If CMDLINEUPPER Contains "/CLIENT" then
260                Add "ERROR: Cannot use /CLIENT and /FULL together" to INSTALL.LOG
261                Exit Installation
262             End
263          End
264
265          Rem Automatic client install
266          If CMDUPPER Contains "/CLIENT" then
267             Add "CLIENT install selected" to INSTALL.LOG
268             Set Variable UNATTENDED to 1
269             Set Variable COMPONENTS to A
270             If CMDLINEUPPER Contains "/FULL" then
271                Add "ERROR: Cannot use /CLIENT and /FULL together" to INSTALL.LOG
272                Exit Installation
273             End
274             If CMDLINEUPPER Contains "/PASSWORD" then
275                Add "ERROR: Cannot use /CLIENT and /PASSWORD together" to
                      INSTALL.LOG
276                Exit Installation
277             End
278             If CMDUPPER Contains "/CLIENT:" then
279                Parse String "%CMDOPTION%" into JUNK and SERVER_NAME
280                Add "Enabler Server name has been entered: %SERVER_NAME%" to
                      INSTALL.LOG
281             End
282          End
283
284          Rem Get SA password (used for Server installs with pre-existing SQL
                server)
285          If CMDUPPER Contains "/PASSWORD" then
286             Parse String "%CMDOPTION%" into JUNK and SA_PASSWORD
287             Set Variable CMDUPPER to /PASSWORD:*****
288             Add "PASSWORD for SA has been entered" to INSTALL.LOG
289          End
290
291          Rem Get the SQL Instance name
292          If CMDUPPER Contains "/INSTANCE" then
293             Parse String "%CMDOPTION%" into JUNK and SQL_INSTANCE
294             Set Variable CMDUPPER to /INSTANCE:*****
295             Add "SQL Named Instance - %SQL_INSTANCE%" to INSTALL.LOG
```

```
296            Set Variable CMD_INSTANCE to 1
297
298            Rem Configure SQL query for the default instance or the instance
                  name passed in the command line
299            Set Variable SQLQUERY to %PC_NAME%\%SQL_INSTANCE%
300        End
301
302        Rem The APPS option is no longer supported
303        If CMDUPPER Contains "/APPS:" then
304            Add "The /APPS option was ignored - this option is no longer
                  supported." to INSTALL.LOG
305        End
306
307        Rem Option to install simulators WITHOUT SDK
308        If CMDUPPER Contains "/MPPSIM" then
309            Add "Install Simulator EXE and DLL" to INSTALL.LOG
310            Set Variable SDK_OPTIONS to AF
311        End
312
313        Rem Option to install but NOT start Enabler services
314        If CMDUPPER Contains "/NOSTART" then
315            Add "Not starting Enabler services - NOSTART was selected." to
                  INSTALL.LOG
316            Set Variable NOSTART to 1
317        End
318
319        Rem Option to install SDK automatically
320        If CMDUPPER Contains "/ENABLERSDK" then
321            Add "Install Full SDK" to INSTALL.LOG
322            Set Variable SDK_OPTIONS to ABC
323            Set Variable SDK to A
324        End
325
326        Rem Rebuild representation of cmdline suitable for logging
327        Set Variable CMDLINE_LOG to %CMDUPPER%  (Append)
328
329        Rem Supplying the parameter /BACKUPDB will initiate a Pre-Upgrade
              Backup
330        If CMDUPPER Contains "/BACKUPDB" then
331            If COMPONENTS Equals (Ignore Case) "A" then
332                Add "INFO: /BACKUPDB option ignored. Cannot backup database on a
                      /CLIENT install." to INSTALL.LOG
333            Else
334                Set Variable PRE_UPGRADE_BACKUP to A
335            End
336        End
337
338    End
339
340    If SHOW_USAGE Equals "1" then
341        Add "WARNING: Install stopped to show usage." to INSTALL.LOG
342        Custom Dialog "Install Usage"
343        Exit Installation
344    End
```

```
345
346     Add "CMD %CMDLINE_LOG%" to INSTALL.LOG
347
348     Rem
        ================================================================...
349     Rem STARTUP PROCESSING
350     Rem
        ================================================================...
351     Rem Check if the user is an admin first
352     Install File v:\IsAdmin.exe to %TEMP%\IsAdmin.exe
353     Execute %TEMP%\IsAdmin.exe  (Wait)
354     If INSTALL_RESULT Equals "0" then
355        If SILENT Equals "0" then
356           Display Message "Not an Administrator"
357        End
358        Add "Install stopped - Not an administrator" to INSTALL.LOG
359        Exit Installation
360     End
361
362
363     Rem Install autosupport early on so that if an error occurs customers can
            use it
364     Install File V:\AutoSupport.exe to %MAINDIR%\AutoSupport.exe
365
366     Rem Needed to view release notes. Maybe a pdf version could be included as
            well as we have a pdf viewer
367     Rem IEXPLORE_PATH is used to store the full path and name of the IE
            executable.
368     Set Variable IEXPLORE_PATH to
369     Get Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion\App
            Paths\IEXPLORE.EXE place in Variable IEXPLORE_PATH
370     Add "IE location %IEXPLORE_PATH%" to INSTALL.LOG
371     Get System Information into IEXPLORE_VERSION
372     Add "IE Ver %IEXPLORE_VERSION%" to INSTALL.LOG
373     If IEXPLORE_VERSION Less Than "5" then
374        Rem We require IE 5 or later
375        Set Variable SHOW_IE_WARNING to 0
376        If File or Directory exists %INST%\Release Notes.htm then
377           Add "WARNING:A newer version of IE is required to display Release
                 Notes" to INSTALL.LOG
378           Set Variable SHOW_IE_WARNING to 1
379        End
380        If SHOW_IE_WARNING Equals "1" then
381           If UNATTENDED Equals "1" then
382              Add "Install stopped - newer version of IE is required" to
                    INSTALL.LOG
383              Exit Installation
384           End
385           If Display Message "A newer Internet Explorer is Required" then
386              Add "User chose to exit install" to INSTALL.LOG
387              Exit Installation
388           End
389        End
390     End
```

```
391
392     Rem Copy readme and release notes files into TEMP folder
393     Get Temporary Filename into READMEFILE
394     Install File v:\release.txt to %TEMP%\%READMEFILE%
395     If File or Directory exists %INST%\Release Notes.htm then
396         Set Variable HTML_RELEASE_NOTES to 1
397     Else
398         Set Variable HTML_RELEASE_NOTES to 0
399     End
400
401     Rem If the destination system does not have a writable Windows\System
            directory, system files will be written to the Windows\ directory
402     If Directory not writable %SYS% then
403         Set Variable SYS to %WIN%
404     End
405
406     Rem INST_DRIVE stores the drive letter we are installing from
407     Parse String "%INST%" into INST_DRIVE and
408     Add "Installing from %INST_DRIVE% drive" to INSTALL.LOG
409
410     Rem Figure out the Windows OS product type
411     Execute %SYS32%\cmd.exe /c wmic.exe os get producttype >
            "%TEMP%\WinProductType.txt" (Wait)
412
413     Search for file CMD.EXE in Path and place into Variable CMD_PATH
414
415     Rem USERNAME is the variable that holds the Windows Logon name
416     Get System Information into USERNAME
417
418     Rem Decide whether we are installing on a server OS
419     Set Variable IS_WINDOWS_SERVER to 0
420     Read lines of file %TEMP%\WinProductType.txt into variable
            WIN_PRODUCT_TYPE_LINE Start Block
421         If WIN_PRODUCT_TYPE_LINE Contains "1" then
422             Rem Workstation Edition of Windows
423             Set Variable WIN_PRODUCT_TYPE to 1
424         End
425         If WIN_PRODUCT_TYPE_LINE Contains "2" then
426             Rem Domain controller
427             Set Variable WIN_PRODUCT_TYPE to 2
428             Set Variable IS_WINDOWS_SERVER to 1
429         End
430         If WIN_PRODUCT_TYPE_LINE Contains "3" then
431             Rem Server
432             Set Variable WIN_PRODUCT_TYPE to 3
433             Set Variable IS_WINDOWS_SERVER to 1
434         End
435     End
436     Add "Windows Product Type: %WIN_PRODUCT_TYPE%" to INSTALL.LOG
437
438     Rem This IF/THEN/ELSE blocks reads the default Program Files and Common
            directories from the registry
439     If System Has Windows 95 Shell Interface then
440         Get Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion place in
                Variable COMMON
```

```
441        Get Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion place in
              Variable PROGRAM_FILES
442        Set Variable EXPLORER to 1
443     End
444
445     Rem BRANDING determines if the installation will be branded with a name
              and company.
446     If File or Directory exists %INST%\branding\config.ini then
447        Read INI Value from %INST%\branding\config.ini into Variable NAME
448        Read INI Value from %INST%\branding\config.ini into Variable COMPANY
449        Read INI Value from %INST%\branding\config.ini into Variable LOGO_TYPE
450        If NAME Equals "" then
451           Set Variable DOBRAND to 1
452           Get System Information into NAME
453           Get System Information into COMPANY
454        End
455     End
456
457     Rem See if there is a current Enabler database.
458     If File or Directory exists %DBDIR%\ENBData.dat then
459        Set Variable PRE_BACKUP to 1
460     End
461
462     Rem Initialise COMPONENTS variable depending on windows system type
463     If System Has Windows NT Running then
464        Rem Don't want to overwrite registry variable so if already defined
              leave variable
465        If COMPONENTS Equals "" then
466           Set Variable COMPONENTS to B
467        End
468     Else
469        Rem Cannot install server without NT
470        Set Variable COMPONENTS to A
471
472        If UNATTENDED Equals "1" then
473           If COMPONENTS Contains "A" then
474              Add "ERROR: Cannot install server on this version of Windows" to
                    INSTALL.LOG
475              Exit Installation
476           End
477        End
478     End
479
480     Rem
           ================================================================...
481     Rem SQL SETUP
482     Rem
           ================================================================...
483     Rem Install batch script to collect instance names
484     Install File V:\scripts\Instances.bat to %MAINDIR%\Instances.bat
485
486     Rem Some initial checks are required to determine the wizard flow relating
              to the SQL install
487     Search for file osql.exe in Path and place into Variable OSQL_PATH
```

```
488      Add "Location of OSQL.EXE is %OSQL_PATH% (Initial Checks)" to INSTALL.LOG
489      If OSQL_PATH Equals "" then
490          Rem
                 ================================================================...
491          Rem DETECT SQL SERVERS AVAILABLE TO INSTALL
492          Rem
                 ================================================================...
493          Set Variable SQL_NEEDED to 1
494          Set Variable SQLEXPRESSNAME to
495
496          Rem Try SQL2014 first
497          If Directory exists %INST%\SQL2014 then
498              Set Variable SQLEXPRESSNAME to SQL2014
499              Add "Folder SQL2014 found, so this will be installed." to
                     INSTALL.LOG
500
501          Else
502              Rem Try SQL2012 next
503              If Directory exists %INST%\SQL2012 then
504                  Set Variable SQLEXPRESSNAME to SQL2012
505                  Add "Folder SQL2012 found, so this will be installed." to
                         INSTALL.LOG
506
507              Else
508                  Rem Try SQL2008R2 next
509                  If Directory exists %INST%\SQL2008R2 then
510                      Set Variable SQLEXPRESSNAME to SQL2008R2
511                      Add "Folder SQL2008R2 found, so this will be installed." to
                             INSTALL.LOG
512
513                  Else
514                      Rem Try SQL2005 next
515                      If Directory exists %INST%\SQL2005 then
516                          Set Variable SQLEXPRESSNAME to SQL2005
517                          Add "Folder SQL2005 found, so this will be installed." to
                                 INSTALL.LOG
518
519                      Else
520                          Rem Try MSDE finally
521                          If Directory exists %INST%\MSDE2000 then
522                              Set Variable SQLEXPRESSNAME to MSDE2000
523                              Add "Folder MSDE2000 found, so this will be installed."
                                     to INSTALL.LOG
524
525                          Else
526                              Add "ERROR: MSDE not found - cannot install server
                                     without SQL (Expected in %INST%\MSDE2000)" to INST...
527                              Set Variable SQLEXPRESSNAME to
528                              If UNATTENDED Equals "1" then
529                                  If COMPONENTS Contains "B" then
530                                      Exit Installation
531                                  End
532                              End
533
```

```
534                    End
535                  End
536                End
537              End
538          End
539
540      Rem If SQL2014 already detected, then no more additional checks.
             Otherwise, check if we can use SQL Server 2016
541      If SQLEXPRESSNAME Not Equal "SQL2014" then
542          Rem If SQL2016 available and 64bit and not Windows 7 then use it
                 instead
543          If Directory exists %INST%\SQL2016 then
544              If OS Equals "64" then
545                  If OPERATING_SYSTEM Greater Than or Equal "6.2" then
546                      Set Variable SQLEXPRESSNAME to SQL2016
547                      Add "Folder SQL2016 found, so this will be installed
                             instead." to INSTALL.LOG
548                  End
549              End
550          End
551      End
552
553      Add "SQL server folders parsed,  SQL server to
             install=%SQLEXPRESSNAME%,  Architecture=%OS%,  Windows version=%W...
554
555
556      Set Variable SQLEXPRESSFULLNAME to %SQLEXPRESSNAME%
557      If SQLEXPRESSNAME Not Equal "MSDE2000" then
558          Set Variable SQLEXPRESSFULLNAME to %SQLEXPRESSNAME% Express
559      End
560      Add "SQLEXPRESSNAME = %SQLEXPRESSNAME%" to INSTALL.LOG
561
562      Rem Check if the system needs WIndows updates before runing Enabler
             install
563      Rem Windows 8.1 64 bit  & Windows Server 2012 require updates before
             SQL2016 installed
564      If OPERATING_SYSTEM Equals "6.3" then
565          If OS Equals "64" then
566              If SQLEXPRESSNAME Equals "SQL2016" then
567                  Add "Checking SQL2016 requirements for Windows 8.1 or Server
                         2012  64 bit" to INSTALL.LOG
568                  Execute C:\WINDOWS\Sysnative\CMD.EXE /C  wmic qfe get HotFixId
                         | find "KB2919355" (Wait)
569                  Set Variable KB_FIND1 to %INSTALL_RESULT%
570                  /* Execute C:\WINDOWS\Sysnative\CMD.EXE /C  wmic qfe get
                         HotFixId | find "KB2919442" (Wait)
571                  /* Set Variable KB_FIND2 to %INSTALL_RESULT%
572                  Add "Result of Windows update finds %KB_FIND1% " to
                         INSTALL.LOG
573                  If  Expression True "KB_FIND1=1 " then
574                      Display Message "Requirements for SQL2016 not met"
575                      Add "Windows 8.1 or Server 2012 requires system updates to
                             install SQL2016 (KB2919355)" to INSTALL.LOG
576                      Exit Installation
```

```
577                     End
578                 End
579             End
580         End
581
582     Else
583         Rem ==========================================
584         Rem OSQL has been found, SQL server already installed
585         Rem ==========================================
586         Set Variable SQL_NEEDED to 0
587
588         If SILENT Equals "0" then
589             Display Progress Message "The Enabler"
590         End
591
592         Rem If no instance has been passed by the command line
593         If CMD_INSTANCE Equals "" then
594             Rem
                    ================================================================...
595             Rem GET LIST OF NAMED INSTANCES
596             Rem
                    ================================================================...
597             Rem Server SQL ettings
598             /* Get Registry Key SOFTWARE\Microsoft\Microsoft SQL Server place in
                    Variable SQL_INSTANCES
599             /* If SQL_INSTANCES Not Equal "" then
600             Get Temporary Filename into INSTANCES
601             If  Expression True "OS=64 And OPERATING_SYSTEM >= 6" then
602                 Execute C:\WINDOWS\Sysnative\CMD.EXE /C %MAINDIR%\Instances.bat
                        %TEMP%\%INSTANCES% (Wait)
603             Else
604                 Execute CMD.EXE /C %MAINDIR%\Instances.bat %TEMP%\%INSTANCES%
                        (Wait)
605             End
606
607             If INSTALL_RESULT Not Equal "0" then
608                 Add "Unable to get SQL Instance Name registry key.
                        %INSTALL_RESULT%" to INSTALL.LOG
609                 Set Variable INSTANCE_NAME_NEEDED to 1
610             Else
611                 Set Variable LINE to
612                 Set Variable NAME to
613                 Set Variable SQL_INSTANCES to
614                 Read lines of file %TEMP%\%INSTANCES% into variable LINE Start
                        Block
615                     /* If  Expression True "Instr(LINE,"!") Or Instr(Line,"\") Or
                            Line="""" then
616                     /* Else
617                     Parse String "%LINE%" into NAME and
618                     If  Expression True "NAME="MSSQLSERVER" And
                            INSTANCE_NAME_NEEDED=1" then
619                         Set Variable INSTANCE_NAME_NEEDED to 0
620                     ElseIf  Expression True "NAME="SQLEXPRESS" And
                            NAME="MSSQLSERVER" And INSTANCE_NAME_NEEDED=1" then
```

```
621                      Set Variable SQL_INSTANCE to SQLEXPRESS
622                        Set Variable SQLQUERY to %PC_NAME%\%SQL_INSTANCE%
623                        Set Variable INSTANCE_NAME_NEEDED to 0
624                    End
625                    Rem Build list of instances names incase they need to be
                           displayed
626                    Set Variable SQL_INSTANCES to %NAME%%CRLF% (Append)
627                    /* End
628                End
629                /* End
630
631            Add "SQL Instance Names found %CRLF%%SQL_INSTANCES%" to
                   INSTALL.LOG
632
633            Rem Check if we found a known instance, if we haven't do we have
                   a list of instances
634            If  Expression True "INSTANCE_NAME_NEEDED=1 And
                   Len(RTrim$(SQL_INSTANCES)) > 0" then
635                Rem We have found instance names, if we haven't found a
                       default one we need to display the list
636                Set Variable INSTANCE_NAME_LIST to 1
637            End
638        End
639
640        If  Expression True "Len(RTrim$(SQL_INSTANCES)) <= 0" then
641            Add "No SQL Instance names found" to INSTALL.LOG
642        End
643
644        Rem If we found no avaliable instances
645        If  Expression True "INSTANCE_NAME_LIST <> 1 And
                   INSTANCE_NAME_NEEDED = 1" then
646
647            Rem
                   ================================================================...
648            Rem OSQL DETECT DEFAULT SQL NAMED INSTANCES
649            Rem
                   ================================================================...
650            Rem Execute the sql to get the verify the instance name of the
                   default instance or the instance name passed by the command...
651            Add "Query database to check instance name %SQLQUERY%" to
                   INSTALL.LOG
652            Execute %OSQL_PATH%\OSQL.EXE -b -d master -E -S%SQLQUERY% -Q
                   "select count(*) from sysobjects" (Wait)
653
654            If INSTALL_RESULT Not Equal "0" then
655                Add "%SQLQUERY% database instance does not exisit or the SQL
                       server is not configured correctly the osql query failed...
656
657                Rem Try again with a different Instance name
658                Set Variable SQL_INSTANCE to SQLEXPRESS
659                Set Variable SQLQUERY to %PC_NAME%\%SQL_INSTANCE%
660                Add "Query database to check instance name %SQLQUERY%" to
                       INSTALL.LOG
661                Execute %OSQL_PATH%\OSQL.EXE -b -d master -E -S%SQLQUERY% -Q
                       "select count(*) from sysobjects" (Wait)
```

```
662
663                      If INSTALL_RESULT Not Equal "0" then
664                          Set Variable SQL_INSTANCE to
665                          Add "%SQLQUERY% database instance does not exisit or the
                                SQL server is not configured correctly the osql query...
666                          Set Variable INSTANCE_NAME_NEEDED to 1
667                      Else
668                          Set Variable INSTANCE_NAME_NEEDED to 0
669                      End
670                  Else
671                      Set Variable INSTANCE_NAME_NEEDED to 0
672                  End
673
674              End
675          End
676
677          Rem
                ======================================================================...
678          Rem GET AVALIABLE SQL SERVERS FOR CLIENT INSTALL
679          Rem
                ======================================================================...
680          Rem Gets the avaliable SQL Servers. Although for this to work we would
                have to redistrubute SQLCMD
681          /* Get Temporary Filename into SERVERS
682          Rem -L gives list of servers, c option gives a clean output
683          /* Execute %OSQL_PATH%\OSQL.EXE -L c -o %TEMP%\%SERVERS% (Wait)
684          /* If INSTALL_RESULT Not Equal "0" then
685          /* Add "Unable to get list of SQL Servers" to INSTALL.LOG
686          /* End
687
688          If SILENT Equals "0" then
689              Display Progress Message "The Enabler"
690          End
691
692      End
693
694      Rem Check if the source media is located in a network drive
695      If SQLEXPRESSNAME Not Equal "" then
696          If INST_DRIVE Equals "\\" then
697              Rem If the installer is being run from a network location (UNC name)
                    then we cannot install SQL2005
698              If UNATTENDED Equals "0" then
699                  Display Message "Cannot install %SQLEXPRESSNAME% from UNC path"
700              End
701              Add "ERROR: Cannot install %SQLEXPRESSNAME% from UNC path" to
                    INSTALL.LOG
702              Exit Installation
703          End
704      End
705
706
707      Rem
                ======================================================================...
708      Rem ARE WE RETURNING FROM A RESTART
```

```
709     Rem
        ===================================================================...
710     Rem See if we are restarting because of an MSDE or MSI Installer or .NET
            restart
711     Get Registry Key SOFTWARE\ITL\Enabler place in Variable RESTART
712     Get Registry Key SOFTWARE\ITL\Enabler place in Variable LAST_COMPONENTS
713     If RESTART Not Equal "" then
714        Add "Restarting from previous installation reboot." to INSTALL.LOG
715        Set Variable PHASE2 to 1
716        Registry Key Software\ITL\Enabler = True
717        Rem Load the variables from the registry. Components, SDK and
               Applications do this already
718        Get Registry Key SOFTWARE\ITL\Enabler place in Variable
               PRE_UPGRADE_BACKUP
719        Get Registry Key SOFTWARE\ITL\Enabler place in Variable SA_PASSWORD
720        Get Registry Key SOFTWARE\ITL\Enabler place in Variable UNATTENDED
721        Get Registry Key SOFTWARE\ITL\Enabler place in Variable SQL_INSTANCE
722     ElseIf LAST_COMPONENTS Not Equal "" then
723        Add "Restarting from MSDE 2000 reboot." to INSTALL.LOG
724        Registry Key Software\ITL\Enabler = COMPONENTS
725        If SQL_NEEDED Equals "1" then
726           If UNATTENDED Equals "0" then
727              Display Message "Could not locate MSDE"
728           End
729           Add "ERROR:Continuing a previous install - MSDE was not located" to
                  INSTALL.LOG
730           Exit Installation
731        End
732        Set Variable PHASE2 to 1
733        Set Variable COMPONENTS to %LAST_COMPONENTS%
734
735        If SILENT Equals "0" then
736           Display Progress Message "%APPTITLE% - Continuing Install"
737        End
738        Add "Continuing Install" to INSTALL.LOG
739        Pause 5000 Milliseconds
740
741        If SILENT Equals "0" then
742           Display Progress Message " "
743        End
744     End
745
746     Rem The SDK option is avaliable if the SDK folder is present
747     If Directory exists %INST%\SDK then
748        Set Variable SDK_APPS to 1
749     End
750
751
752     Rem
        ===================================================================...
753     Rem INSTALL WIZARD LOOP
754     Rem
        ===================================================================...
755     If  Expression True "PHASE2=0 And UNATTENDED=0" then
```

```
756        Rem The Wizard Loop contains the dialog screens that the user sees in
              the installation
757        Rem If you would like to change the graphic on the dialog boxes, you
              need to change it by double-clicking on the Wizard Loop line and ...
758        Rem NOTE: The wizard loop runs once per dialog that is displayed
759        Wizard Loop
760            /* Add "Wizard Loop" to INSTALL.LOG
761            /* Add " SQL_NEEDED = %SQL_NEEDED%" to INSTALL.LOG
762            /* Add " SQLEXPRESSNAME = %SQLEXPRESSNAME%" to INSTALL.LOG
763            /* Add " INSTANCE_NAME_LIST = %INSTANCE_NAME_LIST%" to INSTALL.LOG
764            /* Add " INSTANCE_NAME_NEEDED= %INSTANCE_NAME_NEEDED%" to
                  INSTALL.LOG
765            /* Add " COMPONENTS = %COMPONENTS%" to INSTALL.LOG
766            /* Add " CMD_INSTANCE = %CMD_INSTANCE%" to INSTALL.LOG
767
768            Rem If you need to change the size of your Custom Dialogs, you need
                  only change the "Welcome" screen.
769            Rem It's size is the template for all following dialogs within the
                  Wizard Loop.
770            Custom Dialog "Welcome"
771            Custom Dialog "Display ReadMe"
772            Rem Select Server or Client install
773            Custom Dialog "Select Components"
774
775            Rem !!! ACHTUNG! NOTE! WARNING! I have reverted to using IF
                  statements here because the wizard loop conditions seem to be ...
776            If  Expression True "NOT( Instr(COMPONENTS,"A") Or SQL_NEEDED=1 Or
                  INSTANCE_NAME_NEEDED=1)" then
777            Custom Dialog "SQL Server Already Installed"
778            End
779
780            If  Expression True "NOT( Instr(COMPONENTS,"A") Or SQL_NEEDED=1 Or
                  INSTANCE_NAME_NEEDED=0 Or INSTANCE_NAME_LIST=0 )" then
781            Custom Dialog "SQL Named Instance list"
782            End
783
784            If  Expression True "NOT( Instr(COMPONENTS,"A") Or SQL_NEEDED=1 Or
                  INSTANCE_NAME_NEEDED=0 Or INSTANCE_NAME_LIST=1)" then
785            Custom Dialog "SQL Named Instance needed"
786            End
787
788            Rem This screen is used if there is no SQL Server, and none
                  available to the installer
789            If  Expression True "Instr(COMPONENTS,"B") AND SQL_NEEDED=1 AND
                  Len(SQLEXPRESSNAME) < 1" then
790            Add "Cannot continue MSDE2000, SQL2005, SQL2008R2, SQL2012,
                  SQL2014 or SQL2016 installation folder not found" to INSTAL...
791            Custom Dialog "Cannot Continue"
792            End
793
794            If  Expression True "Instr(COMPONENTS,"B") AND SQL_NEEDED=1 AND
                  Len(SQLEXPRESSNAME) > 1" then
795            Add "Install Default %SQLEXPRESSFULLNAME% Server" to INSTALL.LOG
796            Custom Dialog "Install Default SQL Server"
```

```
797            End
798
799            Rem Get the SQL SA Password.
800            If  Expression True "NOT( Instr(COMPONENTS,"A") Or SQL_NEEDED=0 Or
                   SQLEXPRESSNAME="MSDE2000" )" then
801                Custom Dialog "SA Password Required"
802            End
803
804            If  Expression True "Instr(COMPONENTS,"B")" then
805                Rem Confirm EnbWeb settings
806                Custom Dialog "Confirm Web Port and Domain"
807            Else
808                Rem This is a client install...
809                Custom Dialog "Enter Enabler Server Name"
810            End
811
812            If  Expression True "Instr(COMPONENTS,"A") Or CMD_INSTANCE=1" then
813                Rem Client Install to Enabler Desktop (NOT Embedded)
814                If CLIENTEMBEDDED Does Not Contain "A" then
815                    Custom Dialog "Enter Instance Name"
816                End
817            End
818
819            Custom Dialog "Start Installation"
820
821            Rem Wizard loop end
822        End
823    Else
824        Add "Unattended (%UNATTENDED%) Install or reboot from previous
               installation Phase2 (%PHASE2%)" to INSTALL.LOG
825    End
826
827
828    Rem ==========================================
829    Rem Get File system value
830    Rem ==========================================
831
832    Get Registry Key SYSTEM\CurrentControlSet\Control\FileSystem\ place in
           Variable FILE_SYSTEM
833    Add "File system is %FILE_SYSTEM%" to INSTALL.LOG
834    If FILE_SYSTEM Equals "1" then
835        Add "ERROR: 8dot3 name creation is disabled on all volumes on the
               system" to INSTALL.LOG
836        If UNATTENDED Equals "0" then
837            Display Message "Installation Failed. Error Code: 25"
838        End
839        Exit Installation
840    End
841
842
843    Rem ==========================================
844    Rem CHECK DISK SPACE REQUIREMENTS
845    Rem ==========================================
846    Rem Hardcoded to 800MB plus the COMPONENTS. 800MB is to cover space for -
           Applications, SDK doc, SDK app, SQL Server, MIS, .NET
```

```
847      Rem SQL 2016 - 1480MB for engine1
848      Rem SQL 2008/2012/2014 - 820MB for engine 3.8GB for complete install
849      Rem SQL 2005 - 280MB for engine, 2.0GB for complete install
850      Rem SQL 2000 - 270MB (obsolete)
851      Rem MPPSim - 192KB
852      Rem Pumpdemo - 200KB
853      Rem .NET 3.5 - 30MB
854      Rem MSI 4.5 - 3MB - based on installer size
855      Rem SDK Docs - 2.08MB
856      Rem Sample Apps - 8.55MB
857      Rem Documentation - 5.2MB
858
859      Get System Information into DISK_SPACE
860      If DISK_SPACE Less Than "1480000" then
861         If SILENT Equals "0" then
862            Display Message "Installation failed"
863         End
864         Add "Not enough free disk space" to INSTALL.LOG
865         Exit Installation
866      End
867
868      Rem ==========================================
869      Rem SAVE CONFIGURATION SETTINGS INCASE OF REBOOT
870      Rem ==========================================
871      Stop writing to installation log
872      Edit 9 registry keys
873      Continue/Start writing to installation log
874
875
876      Rem Set Client install varaible
877      If COMPONENTS Contains Any Letters In "B" then
878         Add "Server was chosen" to INSTALL.LOG
879         Rem Checking to see if the C: drive is compressed. SQL server doesn't
                like the EnablerDB files in a compressed location
880         If OPERATING_SYSTEM Greater Than or Equal "5.1" then
881            Install File V:\bin\DriveCompressed.exe to
                  %MAINDIR%\bin\DriveCompressed.exe
882            If  Expression True "OS=64 And OPERATING_SYSTEM >= 6" then
883               Execute C:\WINDOWS\Sysnative\CMD.EXE /C
                     %MAINDIR%\bin\DriveCompressed.exe (Wait)
884            Else
885               Execute CMD.EXE /C %MAINDIR%\bin\DriveCompressed.exe (Wait)
886            End
887            Rem A 0 means it is not compressed, 1 is compressed, -1 is an error
                  occured during the application
888            If INSTALL_RESULT Greater Than "0" then
889               If SILENT Equals "0" then
890                  Display Message "C: drive compressed"
891               End
892               Add "C: drive is compressed, which is not supported" to
                     INSTALL.LOG
893               Exit Installation
894            ElseIf INSTALL_RESULT Less Than "0" then
895               Add "Error running DriveCompressed utility, continuing install"
                     to INSTALL.LOG
```

```
896              Else
897                 Add "C: drive is not compressed" to INSTALL.LOG
898              End
899           End
900       Else
901          Add "Client was chosen" to INSTALL.LOG
902       End
903
904       Rem =============================================
905       Rem MSI4.5 Install
906       Rem =============================================
907       If COMPONENTS Contains Any Letters In "B" then
908          If SQL_NEEDED Not Equal "0" then
909             Rem Check the version of MSI installed - .NET3.5 requires 4.5
910             Get System Information into MSI_VERSION
911             If MSI_VERSION Less Than "4.5" then
912                Add "SQL2008R2 requires MSI 4.5 and .NET 3.5 SP1 - MSI will be
                      installed and will require a reboot." to INSTALL.LOG
913                Rem Check if we need to install the latest MSI 4.5 Installer
914
915                If File or Directory doesn't exist
                      %INST%\Win\MSI\4.5\WindowsXP-KB942288-v3-x86.exe then
916                   If SILENT Equals "0" then
917                      Display Message "MSI 4.5 Installer Failed"
918                   End
919                   Add "Missing MSI 4.5 Installer" to INSTALL.LOG
920                   Exit Installation
921                End
922
923                If SILENT Equals "0" then
924                   Display Progress Message "Installing MSI 4.5 Installer"
925                End
926                Add "Installing MSI 4.5" to INSTALL.LOG
927
928                If OPERATING_SYSTEM Equals "5.1" then
929                   Rem NOTE: 5.1 = Windows XP
930                   If OS Equals "32" then
931                      Execute CMD.EXE /C
                            ""%INST%\Win\MSI\4.5\WindowsXP-KB942288-v3-x86.exe"" ...
932                   Else
933                      Execute CMD.EXE /C
                            ""%INST%\Win\MSI\4.5\WindowsServer2003-KB942288-v4-x6...
934                   End
935                End
936
937                If OPERATING_SYSTEM Equals "5.2" then
938                   Rem NOTE: 5.2 = Windows 2003
939                   If OS Equals "32" then
940                      Execute CMD.EXE /C
                            ""%INST%\Win\MSI\4.5\WindowsServer2003-KB942288-v4-x8...
941                   Else
942                      Execute CMD.EXE /C
                            ""%INST%\Win\MSI\4.5\WindowsServer2003-KB942288-v4-x6...
943                   End
```

```
944              End
945
946              If OPERATING_SYSTEM Equals "6.0" then
947                  Rem NOTE: 6.0 = Windows Vista or Windows Server 2008
948                  Rem NOTE: msu files do not support the /passive switch
949                  If OS Equals "32" then
950                      Execute CMD.EXE /C
                             ""%INST%\Win\MSI\4.5\Windows6.0-KB942288-v2-x86.msu""...
951                  Else
952                      Execute CMD.EXE /C
                             ""%INST%\Win\MSI\4.5\Windows6.0-KB942288-v2-x64.msu""...
953                  End
954              End
955
956              If OPERATING_SYSTEM Greater Than or Equal "6.1" then
957                  Rem NOTE: 6.1 = Windows 7 and Windows 2008 R2
958                  Add "Found either Windows 7, Windows Server 2008 or Later
                         Windows - so don't need a newer version of MSI installed...
959              End
960
961              If OPERATING_SYSTEM Equals "" then
962                  Add "Could not determine OS current version, so that we can
                         install the correct edition of MSI 4.5" to INSTALL.LOG
963                  If SILENT Equals "0" then
964                      Display Message "Exiting"
965                  End
966                  Exit Installation
967              End
968
969              If INSTALL_RESULT Equals "0" then
970                  Add "MSI 4.5 Already Installed" to INSTALL.LOG
971              Else
972                  Rem 3010 means Reboot is required. Set Runonce to Enabler
                         Installer
973                  If INSTALL_RESULT Equals "3010" then
974                      If SILENT Equals "0" then
975                          Display Message "Rebooting"
976                      End
977                      Rem Add Registry Keys before rebooting
978                      Registry Key Software\ITL\Enabler = True
979                      Rem Stop adding this entry to the Log file. This stops this
                             being doing on uninstall.
980                      Rem If the RunOnce key is deleted on uninstall and then
                             Enabler is reinstalled the driver will fail its install
981                      Rem As windows requires the runonce key to be present to
                             install drivers
982                      Stop writing to installation log
983                      Registry Key
                             SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce = "...
984                      Continue/Start writing to installation log
985                      Add "MSI 4.5 installed - reboot pending" to INSTALL.LOG
986                      Reboot System
987                      Exit Installation
988                  End
```

```
989                     Rem 1603 means Windows OS platform is not supported.
990                     If INSTALL_RESULT Equals "1603" then
991                         If SILENT Equals "0" then
992                             Display Message "MSI 4.5 Installer Failed"
993                         End
994                         Add "MSI 4.5 Installation Failed - Windows OS Platform not
                                supported." to INSTALL.LOG
995                         Exit Installation
996                     Else
997                         If SILENT Equals "0" then
998                             Display Message "MSI 4.5 Installer Failed"
999                         End
1000                        Add "MSI 4.5 Installion Failed" to INSTALL.LOG
1001                    End
1002                    Exit Installation
1003                End
1004
1005          Else
1006              Add "The version of MSI is OK - %MSI_VERSION%" to INSTALL.LOG
1007          End
1008       End
1009     End
1010
1011     Rem ==========================================
1012     Rem .NET 3.5 SP1
1013     Rem ==========================================
1014     Rem Check the version of .NET installed
1015     Get Registry Key SOFTWARE\Microsoft\NET Framework Setup\NDP\v2.0.50727
             place in Variable NET2_0_INSTALLED
1016     Get Registry Key SOFTWARE\Microsoft\NET Framework Setup\NDP\v3.0 place in
             Variable NET3_0_INSTALLED
1017     Get Registry Key SOFTWARE\Microsoft\NET Framework Setup\NDP\v3.5 place in
             Variable NET3_5_INSTALLED
1018     Get Registry Key SOFTWARE\Microsoft\NET Framework Setup\NDP\v4\Full place
             in Variable NET4_INSTALLED
1019     Get Registry Key SOFTWARE\Microsoft\NET Framework Setup\NDP\v4.6\Full
             place in Variable NET4_6_INSTALLED
1020
1021     Set Variable DOTNET_VERSION to 0
1022     Set Variable DOTNET350_SP to 0
1023
1024     If NET3_5_INSTALLED Equals "1" then
1025         Add "Found .NET v3.5 runtime" to INSTALL.LOG
1026         Set Variable DOTNET_VERSION to 350
1027         Get Registry Key SOFTWARE\Microsoft\NET Framework Setup\NDP\v3.5\ place
                 in Variable DOTNET350_SP
1028     ElseIf NET3_0_INSTALLED Equals "1" then
1029         Add "Found .NET v3.0 runtime" to INSTALL.LOG
1030         Set Variable DOTNET_VERSION to 300
1031     ElseIf NET2_0_INSTALLED Equals "1" then
1032         Add "Found .NET v2.0 runtime" to INSTALL.LOG
1033         Set Variable DOTNET_VERSION to 200
1034     End
1035
```

```
1036       Rem We actually require .NET 3.5 SP 1 to run (see EP-1146)
1037       Set Variable DOTNET_RUNTIME_REQUIRED to 0
1038       If DOTNET_VERSION Less Than "350" then
1039          Set Variable DOTNET_RUNTIME_REQUIRED to 1
1040       End
1041       If DOTNET350_SP Equals "0" then
1042          Set Variable DOTNET_RUNTIME_REQUIRED to 1
1043       End
1044       If DOTNET_RUNTIME_REQUIRED Equals "1" then
1045          If File or Directory doesn't exist
                   %INST%\Win\DotNetFX\3.5\dotNetFx35setup.exe then
1046             If SILENT Equals "0" then
1047                Display Message ".NET 3.5 Framework Installer Failed"
1048             End
1049             Add "ERROR: Missing .NET 3.5 Framework Installer" to INSTALL.LOG
1050             Exit Installation
1051          End
1052          If SILENT Equals "0" then
1053             Display Progress Message "Installing .NET 3.5 Framework"
1054          End
1055
1056          Rem On Windows Server 2008 the runtime has to be installed using the
                   server manager tool, so if we get here we can't continue
1057          Set Variable WIN2008_SERVER to 0
1058          If OPERATING_SYSTEM Equals (Ignore Case) "6.0" then
1059             Set Variable WIN2008_SERVER to 1
1060          End
1061          If OPERATING_SYSTEM Equals (Ignore Case) "6.1" then
1062             Set Variable WIN2008_SERVER to 1
1063          End
1064          If WIN2008_SERVER Equals "1" then
1065             If IS_WINDOWS_SERVER Equals "1" then
1066                Add "INFO: Cannot use dotNetFx installer on Windows Server 2008 "
                        to INSTALL.LOG
1067                Add "INFO: .NET Runtime must be installed before Enabler using
                        Administrative Tools - Server Manager." to INSTALL.LOG
1068                If SILENT Equals "0" then
1069                   Display Message ".NET 3.5 Runtime Required"
1070                End
1071                Exit Installation
1072             End
1073          End
1074
1075          Rem .NET 3.5 will auto-reboot therefore better write RunOnce to the
                   registry
1076          Registry Key Software\ITL\Enabler = True
1077          Stop writing to installation log
1078          Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce =
                   "%INST%\Enabler4Setup.exe"
1079          Continue/Start writing to installation log
1080
1081          Add "Installing .NET 3.5 Framework" to INSTALL.LOG
1082          Execute CMD.EXE /C ""%INST%\Win\DotNetFX\3.5\dotNetFx35setup.exe"" /Q
                   (Wait)
```

```
1083          Rem 3010 means already installed.
1084          If INSTALL_RESULT Equals "3010" then
1085             Add "INFO: .NET 3.5 Framework Already Installed" to INSTALL.LOG
1086          Else
1087             If INSTALL_RESULT Not Equal "0" then
1088                Rem 4121 means MSI is required - should not happen because we
                       install this automatically.
1089                If INSTALL_RESULT Equals "4121" then
1090                   If SILENT Equals "0" then
1091                      Display Message ".NET 3.5 Framework Installer Failed"
1092                   End
1093                   Add ".NET 3.5 requires MSI 4.5" to INSTALL.LOG
1094                Else
1095                   If SILENT Equals "0" then
1096                      Display Message ".NET 3.5 Framework Installer Failed"
1097                   End
1098                   Add ".NET 3.5 Framework Installation Failed" to INSTALL.LOG
1099                End
1100                Rem Remove the registry keys added by MSI reboot
1101                Remove Registry Key Software\ITL\Enabler
1102                Rem Removed exit !!!!!!!!!!!!!!!!!!!!!!!
1103             End
1104          End
1105          Display Progress Message "REMOVE Installing .NET 3.5 Framework"
1106       End
1107
1108       Rem Remove the registry keys added by any restart in the previous sections
1109       Edit 5 registry keys
1110       Rem Remove the one once key if still present.
1111       Rem This happens if 3.5 is installed and doesn't reboot
1112       Rem And then the driver install on XP will execute the runonce key causing
              the install to start again
1113       Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce =
              "%INST%\Enabler4Setup.exe"
1114
1115
1116       Rem ===========================================
1117       Rem Check if .Net 4 needs to be installed - SQL2014 only
1118       Rem ===========================================
1119       Add "Check Net 4 install slqexpressname = %SQLEXPRESSNAME%, net 4
              installed = %NET4_INSTALLED%" to INSTALL.LOG
1120       If SQLEXPRESSNAME Equals "SQL2014" then
1121          If NET4_INSTALLED Not Equal "1" then
1122             If File or Directory doesn't exist
                       %INST%\Win\DotNetFX\4\dotNetFx40_Full_x86_x64.exe then
1123                If SILENT Equals "0" then
1124                   Display Message ".NET 4 Framework Installer Failed"
1125                End
1126                Add "ERROR: Missing .NET 4 Framework Installer" to INSTALL.LOG
1127                Exit Installation
1128             End
1129             If SILENT Equals "0" then
1130                Display Progress Message "Installing .NET 4 Framework"
1131             End
```

```
1132
1133          Rem .Net 4 install will fail if windows update is running so stop
                 duing install - Error 80240016
1134          Execute CMD.EXE /C ""net stop WuAuServ""  (Wait)
1135          Add "Stopping Windows update before installing .NET 4 Framework" to
                 INSTALL.LOG
1136
1137          Add "Installing .NET 4 Framework" to INSTALL.LOG
1138          Execute CMD.EXE /C
                 ""%INST%\Win\DotNetFX\4\dotNetFx40_Full_x86_x64.exe"" /noresta...
1139
1140          Add "Restarting Windows update before installing .NET 4 Framework"
                 to INSTALL.LOG
1141          Execute CMD.EXE /C ""net start WuAuServ""  (Wait)
1142
1143          If INSTALL_RESULT Equals "1" then
1144              Add ".NET 4 Framework Installation return 1, Ok but reboot
                     required" to INSTALL.LOG
1145          ElseIf INSTALL_RESULT Not Equal "0" then
1146              If SILENT Equals "0" then
1147                  Display Message ".NET 4 Framework Installer Failed"
1148              End
1149              Add ".NET 4 Framework Installation Failed, ERRORLEVEL =
                     %INSTALL_RESULT%" to INSTALL.LOG
1150              Exit Installation
1151          End
1152
1153          Display Progress Message " "
1154        Else
1155          Add ".NET 4 Framework already installed" to INSTALL.LOG
1156        End
1157      End
1158
1159
1160      Rem ==========================================
1161      Rem Checking installed Service Pack for Vista /Server 2008 when installing
             SQL 2012 only
1162      Rem ==========================================
1163      If COMPONENTS Contains Any Letters In "B" then
1164        If SQL_NEEDED Equals "1" then
1165          If SQLEXPRESSNAME Equals "SQL2012" then
1166            If OPERATING_SYSTEM Equals "6.0" then
1167
1168                Get Registry Key Software\Microsoft\Windows NT\CurrentVersion
                       place in Variable VISTASP
1169                Add "Vista Build Number is %VISTASP%" to INSTALL.LOG
1170                Rem NOTE: 6.0 = Windows Vista or Windows Server 2008
1171                Rem NOTE: msu files do not support the /passive switch
1172                If VISTASP Equals "2" then
1173                    Rem No SP installed
1174                    Rem Installing SP1
1175                    Display Message "SQL2012 prerequisites not met"
1176
1177                    Add "ERROR: Vista has no required Service Packs installed,
                           exiting installation" to INSTALL.LOG
```

```
1178                    Exit Installation
1179
1180                ElseIf VISTASP Equals "1616" then
1181                    Rem No SP2 installed
1182                    Display Message "SQL2012 prerequisites not met"
1183
1184                    Add "ERROR: Vista does not have required Service Pack 2
                           installed, exiting installation" to INSTALL.LOG
1185                    Exit Installation
1186                End
1187
1188            End
1189        End
1190      End
1191    End
1192
1193    Rem =============================================
1194    Rem INSTALL SERVER COMPONENTS
1195    Rem =============================================
1196    If COMPONENTS Contains Any Letters In "B" then
1197        If SQL_NEEDED Equals "0" then
1198
1199            Set Variable SQLQUERY to %PC_NAME%\%SQL_INSTANCE%
1200            Add "SQLQUERY = %SQLQUERY%" to INSTALL.LOG
1201
1202            Rem =============================================
1203            Rem TRUSTED CONNECTION
1204            Rem =============================================
1205            Set Variable TRUSTED_CONNECTION to 1
1206            Add "About to query sysobjects %OSQL_PATH% with Trusted Connection"
                   to INSTALL.LOG
1207            Execute %OSQL_PATH%\OSQL.EXE -b -d master -E -S%SQLQUERY% -Q "select
                   count(*) from sysobjects" (Wait)
1208            If INSTALL_RESULT Equals "0" then
1209                Execute CMD.EXE /C osql -b -d master -E -S%SQLQUERY% -Q "select
                       count(*) from sysobjects" (Wait)
1210                If INSTALL_RESULT Equals "0" then
1211                    Add "Trusted Connection Succeed !!!" to INSTALL.LOG
1212                Else
1213                    Set Variable TRUSTED_CONNECTION to 0
1214                End
1215            Else
1216                Set Variable TRUSTED_CONNECTION to 0
1217            End
1218            If TRUSTED_CONNECTION Equals "0" then
1219                If SILENT Equals "0" then
1220                    Display Message "Installation failed"
1221                End
1222                Add "Trusted Connection Failed ! SQL server might not have
                       installed correctly. Or the Named instance was incorrect rc...
1223                Exit Installation
1224            End
1225
1226            Rem =============================================
```

```
1227          Rem DETECT VERSION OF SQL SERVERS INSTALLED
1228          Rem ==========================================
1229          Rem Make sure OSQL_PATH does not end in \
1230          Set Variable OSQL_PATH to %OSQL_PATH%
1231
1232          Rem Find out the version of SQL installed.
1233          Rem SQL 2000 and newer support the following method of getting the
                 version
1234          Rem Older versions do not. The Microsoft documentation for this
                 method is at the link below
1235          Rem http://support.microsoft.com/default.aspx?scid=kb;en-us;321185#3
1236
1237          Rem Create a temporary file to store the SQL results in.
1238          Get Temporary Filename into SQLINFO
1239
1240          If SILENT Equals "0" then
1241             Display Progress Message "SQL Version"
1242          End
1243
1244          Rem Execute the sql to get the SQL version of a default instance or
                 the instance name passed by the command line
1245          Add "Query database for version using server and instance name
                 %SQLQUERY%" to INSTALL.LOG
1246          Execute %OSQL_PATH%\OSQL.EXE -b -E -S%SQLQUERY% -dmaster -h-1
                 -Q"select SERVERPROPERTY('productversion')" -o %TEMP%\%SQLINFO...
1247
1248          If INSTALL_RESULT Not Equal "0" then
1249             If SILENT Equals "0" then
1250                Display Progress Message "SQL Version"
1251                Display Message "OSQL failed to Execute"
1252             End
1253             Add "%SQLQUERY% SQL server is not configured correctly the osql
                    query failed" to INSTALL.LOG
1254             Exit Installation
1255          End
1256
1257          Set Variable LINE to
1258          Rem Read each line of the SQL query results
1259          Read lines of file %TEMP%\%SQLINFO% into variable LINE Start Block
1260             If SQLVER_MAJOR Equals "" then
1261                Parse String "%LINE%" into SQLVER_MAJOR and
1262             End
1263          End
1264          Rem Is SQL Server major revision greator than or equal to the number
                 8 (version 2000)
1265          If SQLVER_MAJOR Greater Than or Equal "8" then
1266             Add "SQL Version found %SQLVER_MAJOR%" to INSTALL.LOG
1267          Else
1268             Rem If the line read is greator than or equal to the number it is
                    2000 or newe
1269             If LINE Greater Than or Equal "8.00.0000.00" then
1270                Add "SQL Version found %LINE%" to INSTALL.LOG
1271             Else
1272                Rem Display the message to exit
```

```
1273                If SILENT Equals "0" then
1274                    Display Message "A newer SQL Server is Required"
1275                End
1276                Add "Exiting installation as Enabler requires newer version
                        than %SQLVER_MAJOR% of SQL Server" to INSTALL.LOG
1277                Exit Installation
1278            End
1279        End
1280
1281        If SILENT Equals "0" then
1282            Display Progress Message "SQL Version"
1283        End
1284
1285
1286        Rem =============================================
1287        Rem IS THERE AN EXISTING ENABLER INSTALL
1288        Rem =============================================
1289        Rem Does the enabler database already exist?
1290        If PRE_UPGRADE_BACKUP Equals "A" then
1291            Execute %OSQL_PATH%\OSQL.EXE -d EnablerDB -E -S%SQLQUERY% -Q
                    "select count(*) from global_settings" -b (Wait)
1292            If INSTALL_RESULT Equals "0" then
1293                Add "Preupgrade backup check for Enabler DB: Database FOUND"
                        to INSTALL.LOG
1294            Else
1295                Add "Preupgrade backup check for Enabler DB: Database NOT
                        found" to INSTALL.LOG
1296                Set Variable PRE_UPGRADE_BACKUP to
1297            End
1298        End
1299
1300    Else
1301        Rem =============================================
1302        Rem SQL SERVER IS REQUIRED
1303        Rem =============================================
1304        Rem We know what if SQLServer is required and what version will be
                installed, so that optionally install MSI 4.5 and .NET
1305
1306        If UNATTENDED Equals "0" then
1307
1308            Rem =============================================
1309            Rem SQL2005 PREREQUISITES
1310            Rem =============================================
1311            If SQLEXPRESSNAME Equals "SQL2005" then
1312                Add "SQLServer2005 Express will be installed" to INSTALL.LOG
1313                Rem =============================================
1314                Rem Check SQL EXPRESS 2005 required components before SQL
                        installation
1315                Rem =============================================
1316                Rem Fetch MSI version, .NET version information and MDAC
                        version
1317                Get System Information into MSI_VERSION
1318                Get Registry Key SOFTWARE\Microsoft\.NETFramework\policy\v2.0\
                        place in Variable DOTNET_VERSION
```

```
1319              Get Registry Key SOFTWARE\Microsoft\DataAccess place in
                     Variable MDAC_VERSION
1320
1321              Rem =============================================
1322              Rem MDAC 2.8?
1323              Rem =============================================
1324              If MDAC_VERSION Less Than "2.80.1022.3" then
1325                  If SILENT Equals "0" then
1326                      Display Message "MDAC 2.8 Required by SQL2005"
1327                  End
1328                  Add "MDAC 2.8 Required for SQL2005 Express" to INSTALL.LOG
1329                  Exit Installation
1330              End
1331
1332              Rem =============================================
1333              Rem IE6 SP1?
1334              Rem =============================================
1335              If IEXPLORE_VERSION Less Than "6.0.2800.1106" then
1336                  If SILENT Equals "0" then
1337                      Display Message "IE 6.0 Service Pack 1 Required by
                            SQL2005"
1338                  End
1339                  Add "IE 6.0 SP1 Required for SQL2005 Express" to
                        INSTALL.LOG
1340                  Exit Installation
1341              End
1342
1343              /* Rem =============================================
1344              /* Rem MSI 3.1?
1345              /* Rem =============================================
1346              /* If MSI_VERSION Less Than "3.1.400.2435" then
1347              /* If File or Directory doesn't exist
                     %INST%\Win\MSI\3.1\WindowsInstaller-KB893803-v2-x86.exe ...
1348              /* If SILENT Equals "0" then
1349              /* Display Message "MSI 3.1 Installer Failed"
1350              /* End
1351              /* Add "Missing MSI 3.1 Installer" to INSTALL.LOG
1352              /* Exit Installation
1353              /* End
1354              /* If SILENT Equals "0" then
1355              /* Display Progress Message "Installing MSI 3.1 Installer"
1356              /* End
1357              /* Add "Installing MSI 3.1" to INSTALL.LOG
1358              /* Execute CMD.EXE /C
                     ""%INST%\Win\MSI\3.1\WindowsInstaller-KB893803-v2-x86.ex...
1359              /* If INSTALL_RESULT Equals "0" then
1360              /* Add "MSI 3.1 Already Installed" to INSTALL.LOG
1361              /* Else
1362              /* Rem 3010 means Reboot is required. Set Runonce to Enabler
                     Installer
1363              /* If INSTALL_RESULT Equals "3010" then
1364              /* If SILENT Equals "0" then
1365              /* Display Message "Rebooting"
1366              /* End
```

```
1367                    /* Rem Add Registry Keys before rebooting
1368                    /* Registry Key Software\ITL\Enabler = %UNATTENDED%
1369                    /* Rem Stop adding this entry to the Log file. This stops this
                           being doing on uninstall.
1370                    /* Rem If the RunOnce key is deleted on uninstall and then
                           Enabler is reinstalled the driver will fail its install
1371                    /* Rem As windows requires the runonce key to be present to
                           install drivers
1372                    /* Stop writing to installation log
1373                    /* Registry Key
                           SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce = %INS...
1374                    /* Continue/Start writing to installation log
1375                    /* Add "MSI 3.1 installed - reboot pending" to INSTALL.LOG
1376                    /* Exit Installation
1377                    /* End
1378                    /* Rem 1603 means Windows OS platform is not supported.
1379                    /* If INSTALL_RESULT Equals "1603" then
1380                    /* If SILENT Equals "0" then
1381                    /* Display Message "MSI 3.1 Installer Failed"
1382                    /* End
1383                    /* Add "MSI 3.1 Installation Failed - Windows OS Platform not
                           supported." to INSTALL.LOG
1384                    /* Exit Installation
1385                    /* Else
1386                    /* If SILENT Equals "0" then
1387                    /* Display Message "MSI 3.1 Installer Failed"
1388                    /* End
1389                    /* Add "MSI 3.1 Installion Failed" to INSTALL.LOG
1390                    /* End
1391                    /* Exit Installation
1392                    /* End
1393                    /* End
1394
1395                    /* Rem =========================================
1396                    /* Rem .NET 2.0 Framework? no longer require since we now
                           install 3.5 by default
1397                    /* Rem =========================================
1398                    /* If DOTNET_VERSION Equals "" then
1399                    /* If File or Directory doesn't exist
                           %INST%\Win\DotNetFX\2.0\install.exe then
1400                    /* If SILENT Equals "0" then
1401                    /* Display Message ".NET 2.0 Framework Installer Failed"
1402                    /* End
1403                    /* Add "Missing .NET 2.0 Framework Installer" to INSTALL.LOG
1404                    /* Rem Remove the registry keys added by MSI reboot
1405                    /* Remove Registry Key Software\ITL\Enabler
1406                    /* Exit Installation
1407                    /* End
1408                    /* If SILENT Equals "0" then
1409                    /* Display Progress Message "Installing .NET 2.0 Framework"
1410                    /* End
1411                    /* Add "Installing .NET 2.0 Framework" to INSTALL.LOG
1412                    /* Execute CMD.EXE /C ""%INST%\Win\DotNetFX\2.0\install.exe""
                           /Q (Wait)
```

```
1413                        /* Rem 3010 means already installed.
1414                        /* If INSTALL_RESULT Equals "3010" then
1415                        /* Add ".NET 2.0 Framework Already Installed" to INSTALL.LOG
1416                        /* Else
1417                        /* If INSTALL_RESULT Not Equal "0" then
1418                        /* Rem 4121 means MSI is required
1419                        /* If INSTALL_RESULT Equals "4121" then
1420                        /* If SILENT Equals "0" then
1421                        /* Display Message ".NET 2.0 Framework Installer Failed"
1422                        /* End
1423                        /* Add ".NET 2.0 requires MSI 3.1" to INSTALL.LOG
1424                        /* Else
1425                        /* If SILENT Equals "0" then
1426                        /* Display Message ".NET 2.0 Framework Installer Failed"
1427                        /* End
1428                        /* Add ".NET 2.0 Framework Installation Failed" to INSTALL.LOG
1429                        /* End
1430                        /* Rem Remove the registry keys added by MSI reboot
1431                        /* Remove Registry Key Software\ITL\Enabler
1432                        /* Exit Installation
1433                        /* End
1434                        /* End
1435                        /* End
1436                    Rem End SQL2005 Block Prerequisites
1437                  End
1438                End
1439              Rem End Server not needed
1440          End
1441        Rem End Server install
1442      Else
1443        Rem Client Install make sure SQL Instance variable is set
1444        Set Variable SQL_INSTANCE to %CLIENT_SQL_INSTANCE%
1445      End
1446
1447      Rem ==============================================
1448      Rem Blank Password checks for SQL2005, SQL2008, SQL2012, SQL2014 and
               SQL2016
1449      Rem ==============================================
1450      If COMPONENTS Contains Any Letters In "B" then
1451        If SQL_NEEDED Equals "1" then
1452          If SQLEXPRESSNAME Not Equal "MSDE2000" then
1453            If SA_PASSWORD Length Equal To "0" then
1454              Add "Blank passwords not allowed for %SQLEXPRESSFULLNAME%" to
                      INSTALL.LOG
1455              If SILENT Equals "0" then
1456                Display Message "Passwords blank"
1457              End
1458              Exit Installation
1459            End
1460          End
1461        End
1462      End
1463
1464      Rem ==============================================
```

```
1465      Rem INSTALL SQL SERVER or CHECK SA LOGIN
1466      Rem =============================================
1467      Rem The Server Component requires either a preinstalled DB Server, or to
              install our own
1468      Rem If enabler server install selected
1469      If COMPONENTS Contains Any Letters In "B" then
1470          If SQL_NEEDED Equals "1" then
1471              Set Variable INST_DRIVE to
1472              Parse String "%INST%" into INST_DRIVE and
1473              Set Variable INST_DRIVE to : (Append)
1474              Create Directory %MAINDIR%
1475              If SQLEXPRESSNAME Equals "MSDE2000" then
1476                  Rem =============================================
1477                  Rem MSDE2000 Installation
1478                  Rem =============================================
1479                  Install File V:\scripts\MSDEInstall.bat to
                          %MAINDIR%\MSDEInstall.bat
1480                  Rem Install MSDE2000 now
1481                  If SILENT Equals "0" then
1482                      Display Progress Message "Installing SQL Server (MSDE2000)"
1483                  End
1484                  Add "Starting MSDE2000 install from %INST%\MSDE2000..." to
                          INSTALL.LOG
1485                  Execute CMD.EXE /C %MAINDIR%\MSDEInstall.bat %INST_DRIVE%
                          "%INST%\MSDE2000" "%SA_PASSWORD%" (Wait)
1486                  If File or Directory exists %MAINDIR%\MSDE_REBOOT_PENDING then
1487                      If UNATTENDED Equals "0" then
1488                          Display Message "Rebooting"
1489                      End
1490                      Add "MSDE installed - reboot pending" to INSTALL.LOG
1491                      Exit Installation
1492                  End
1493
1494              Else
1495                  Rem =============================================
1496                  Rem SQL2016 / 2014 / 2012 / 2008 /2005
1497                  Rem =============================================
1498                  Get Environment Variable USERDOMAIN into Variable USER_DOMAIN
1499                  Get Environment Variable USERNAME into Variable USER_NAME
1500                  Set Variable SQL_SYSADMIN_USER to %USER_DOMAIN%
1501                  Set Variable SQL_SYSADMIN_USER to \ (Append)
1502                  Set Variable SQL_SYSADMIN_USER to %USER_NAME% (Append)
1503                  Add "Assigning system administrator privileges to
                          %SQL_SYSADMIN_USER%" to INSTALL.LOG
1504
1505                  Rem Install the SQLInstall batch file.
1506                  Install File V:\scripts\SQLInstall.bat to
                          %MAINDIR%\SQLInstall.bat
1507                  If SILENT Equals "0" then
1508                      Display Progress Message "Installing SQL Server
                              (%SQLEXPRESSNAME%)"
1509                  End
1510                  Add "Starting %SQLEXPRESSNAME% install from
                          %INST%\%SQLEXPRESSNAME%..." to INSTALL.LOG
```

```
1511
1512          If SQLEXPRESSNAME Equals "SQL2016" then
1513              Rem Extra checks for SQL2016 - Must be 64 bit and Windows
                      greater than Windows 7
1514              If OPERATING_SYSTEM Less Than "6.2" then
1515                  If UNATTENDED Equals "0" then
1516                      Display Message "%SQLEXPRESSFULLNAME% Install"
1517                  End
1518                  Add "ERROR: %SQLEXPRESSFULLNAME% not supported on Windows 7
                          or earlier" to INSTALL.LOG
1519                  Exit Installation
1520              End
1521              If OS Not Equal (Ignore Case) "64" then
1522                  If UNATTENDED Equals "0" then
1523                      Display Message "%SQLEXPRESSFULLNAME% Install"
1524                  End
1525                  Add "ERROR: %SQLEXPRESSFULLNAME% not supported on 32 bit
                          installs" to INSTALL.LOG
1526                  Exit Installation
1527              End
1528              Rem =========================================
1529              Rem SQL2016 Express Install
1530              Rem =========================================
1531              Rem Path to setup exe depends on whether 32 or 64 bit OS is
                      found ( Only 64 bit for SQL2016)
1532              Execute CMD.EXE /C %MAINDIR%\SQLInstall.bat %INST_DRIVE%
                      "%INST%\SQL2016\%OS%" "%SA_PASSWORD%" "%SQL_SYSADMIN_USE...
1533
1534          ElseIf SQLEXPRESSNAME Equals "SQL2014" then
1535              Rem =========================================
1536              Rem SQL2014 Express Install
1537              Rem =========================================
1538              Rem Path to setup exe depends on whether 32 or 64 bit OS is
                      found
1539              Execute CMD.EXE /C %MAINDIR%\SQLInstall.bat %INST_DRIVE%
                      "%INST%\SQL2014\%OS%" "%SA_PASSWORD%" "%SQL_SYSADMIN_USE...
1540
1541          ElseIf SQLEXPRESSNAME Equals "SQL2012" then
1542              Rem =========================================
1543              Rem SQL2012 Express Install
1544              Rem =========================================
1545              Rem Path to setup exe depends on whether 32 or 64 bit OS is
                      found
1546              Execute CMD.EXE /C %MAINDIR%\SQLInstall.bat %INST_DRIVE%
                      "%INST%\SQL2012\%OS%" "%SA_PASSWORD%" "%SQL_SYSADMIN_USE...
1547
1548          ElseIf SQLEXPRESSNAME Equals "SQL2008R2" then
1549              Rem =========================================
1550              Rem SQL2008 Express Install
1551              Rem =========================================
1552              Rem Path to setup exe depends on whether 32 or 64 bit OS is
                      found
1553              /* Add "About to issue command: /C %MAINDIR%\SQLInstall.bat
                      %INST_DRIVE% "%INST%\SQL2008R2\%OS%" "%SA_PASSWORD%" "%S...
```

```
1554              Execute CMD.EXE /C %MAINDIR%\SQLInstall.bat %INST_DRIVE%
                      "%INST%\SQL2008R2\%OS%" "%SA_PASSWORD%" "%SQL_SYSADMIN_U...
1555          Else
1556              Rem ============================================
1557              Rem SQL2005 Express Install
1558              Rem ============================================
1559              Execute CMD.EXE /C %MAINDIR%\SQLInstall.bat %INST_DRIVE%
                      "%INST%\SQL2005" "%SA_PASSWORD%" (Wait)
1560          End
1561      End
1562
1563      Add "Result of SqlInstall  %INSTALL_RESULT%" to INSTALL.LOG
1564
1565      Rem Error 1 - Password not strong
1566      If INSTALL_RESULT Equals "1" then
1567          If UNATTENDED Equals "0" then
1568              Display Message "%SQLEXPRESSFULLNAME% Install"
1569          End
1570          Add "ERROR: %SQLEXPRESSFULLNAME% install failed due to  SQL
                  password not strong" to INSTALL.LOG
1571          Exit Installation
1572      End
1573
1574      Rem Make sure the SQL Server doesn't need a reboot
1575      If INSTALL_RESULT Equals "2" then
1576          If SILENT Equals "0" then
1577              Display Message "Reboot required"
1578          End
1579          Rem Add Registry Keys before rebooting
1580          Registry Key Software\ITL\Enabler = True
1581          Stop writing to installation log
1582          Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce =
                  "%INST%\Enabler4Setup.exe"
1583          Continue/Start writing to installation log
1584          Add "%SQLEXPRESSFULLNAME% installed - reboot pending" to
                  INSTALL.LOG
1585          Reboot System
1586          Exit Installation
1587      End
1588
1589      Rem Error 3 - Updates required
1590      If INSTALL_RESULT Equals "3" then
1591          If UNATTENDED Equals "0" then
1592              Display Message "%SQLEXPRESSFULLNAME% Install"
1593          End
1594          Add "ERROR: %SQLEXPRESSFULLNAME% install failed, updates are
                  required" to INSTALL.LOG
1595          Exit Installation
1596      End
1597
1598      Rem Error 4 or any other error -  Failed Intall
1599      Rem Make sure the SQL Server was installed
1600      If INSTALL_RESULT Not Equal "0" then
1601          If UNATTENDED Equals "0" then
```

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```
1602              Display Message "%SQLEXPRESSFULLNAME% Install"
1603           End
1604           Add "ERROR: %SQLEXPRESSFULLNAME% install failed" to INSTALL.LOG
1605           Exit Installation
1606         End
1607
1608         Rem Make sure the SQL Server engine is running
1609         Start Service mssqlserver
1610         If SILENT Equals "0" then
1611            Display Progress Message " "
1612         End
1613
1614         Rem Set up Registry Key for SQL version client Setup
1615         Set Variable REG_KEY_IN to
1616         If SQLEXPRESSNAME Equals "SQL2016" then
1617            Set Variable REG_KEY_IN to SOFTWARE\\Microsoft\\Microsoft SQL
                  Server\\130\\Tools\\ClientSetup
1618         ElseIf SQLEXPRESSNAME Equals "SQL2014" then
1619            Set Variable REG_KEY_IN to SOFTWARE\\Microsoft\\Microsoft SQL
                  Server\\120\\Tools\\ClientSetup
1620         ElseIf SQLEXPRESSNAME Equals "SQL2012" then
1621            Set Variable REG_KEY_IN to SOFTWARE\\Microsoft\\Microsoft SQL
                  Server\\110\\Tools\\ClientSetup
1622         ElseIf SQLEXPRESSNAME Equals "SQL2008R2" then
1623            Set Variable REG_KEY_IN to SOFTWARE\\Microsoft\\Microsoft SQL
                  Server\\100\\Tools\\ClientSetup
1624         End
1625
1626
1627         Rem If we get here must send the full path to OSQL.EXE to DBInstall
                to make sure it can run properly
1628         If REG_KEY_IN Not Equal "" then
1629            Rem Locate OSQL for 2008R2, 2012, 2014, 2016
1630            Rem
                  ===============================================================...
1631            Rem == We are using a custom built DLL to get the registry key
                  value from the windows registry
1632            Rem == if installing on a 64-bit OS the DLL will get the key from
                  the 64-bit side of the registry.
1633            Rem == This is required because this installer (which is a 32-bit
                  app) would otherwise incorrectly retrieve keys from the 32-...
1634            Rem == FYI - - - On a 64-bit system there would be a \Program
                  Files\ folder for 64-bit apps
1635            Rem == FYI - - - ...and a \Program Files (x86)\ folder for 32-bit
                  apps
1636            Rem
                  ===============================================================...
1637            If OS Equals "64" then
1638               Set Variable SUB_KEY_IN to Path
1639               Add "64-bit OS therefore copying EnablerInstall.dll to
                     Installation folder" to INSTALL.LOG
1640               Install File v:\bin\enablerinstall.dll to
                     %Maindir%\bin\EnablerInstall.dll
1641               Set Variable REGKEY to
```

```
1642              Call DLL %MAINDIR%\bin\EnablerInstall.dll Function
                     GetRegKeyValue
1643              Add "The path to OSQL.EXE for this 64-bit install of SQL
                     Server is: %REGKEY%" to INSTALL.LOG
1644              Set Variable OSQL_PATH to %REGKEY%
1645              Add "OSQL_PATH is currently set to %OSQL_PATH%" to INSTALL.LOG
1646          ElseIf OS Equals "32" then
1647              Add "32-bit OS therefore will use standard WISE way to get key
                     from registry" to INSTALL.LOG
1648              Get Registry Key %REG_KEY_IN% place in Variable OSQL_PATH
1649              Add "OSQL_PATH is %OSQL_PATH%" to INSTALL.LOG
1650          End
1651          Add "Processor bit size (e.g. 32/64 bit), the variable OS is
                 %OS%" to INSTALL.LOG
1652      Else
1653          Rem Locate OSQL for SQL2005 and MSDE2000
1654          Get Registry Key Software\Microsoft\Windows\CurrentVersion place
                 in Variable POSQL_PATH
1655          Set Variable POSQL_PATH to %POSQL_PATH%
1656          Rem Try SQL2005 Path first
1657          Set Variable OSQL_PATH to %POSQL_PATH%\Microsoft SQL
                 Server\90\Tools\Binn
1658          If File or Directory doesn't exist %OSQL_PATH%\OSQL.EXE then
1659              Rem Try MSDE Path second
1660              Set Variable OSQL_PATH to %POSQL_PATH%\Microsoft SQL
                     Server\80\Tools\Binn
1661          End
1662          Add "Location of OSQL.EXE is %OSQL_PATH% (SQL2005 Installation in
                 progress)" to INSTALL.LOG
1663      End
1664
1665      Rem In case we can't find OSQL.EXE anywhere
1666      If File or Directory doesn't exist %OSQL_PATH%\OSQL.EXE then
1667          Add "ERROR: Cannot find OSQL.EXE" to INSTALL.LOG
1668          Exit Installation
1669      End
1670
1671      Rem oSQL should work now, we will test it now to make sure.
1672      Add "Making sure that OSQL works %OSQL_PATH%" to INSTALL.LOG
1673      Execute %OSQL_PATH%\OSQL.EXE -b -d master -E -S%SQLQUERY% -Q "select
                 count(*) from sysobjects" (Wait)
1674      If INSTALL_RESULT Equals "0" then
1675          Rem Ok we can run oSQL properly now, so remove Registry entries
                 to restart after reboot
1676          Registry Key Software\ITL\Enabler =
1677          Registry Key Software\ITL\Enabler =
1678          Rem Stop adding this entry to the Log file. This stops this being
                 doing on uninstall.
1679          Rem If the RunOnce key is deleted on uninstall and then Enabler
                 is reinstalled the driver will fail its install
1680          Rem As windows requires the runonce key to be present to install
                 drivers
1681          Stop writing to installation log
1682          Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce =
```

```
1683              Continue/Start writing to installation log
1684              Add "OSQL working OK!" to INSTALL.LOG
1685          Else
1686              Rem We cannot continue with install now because oSQL is not
                     working correctly, a reboot is required...
1687              If UNATTENDED Equals "0" then
1688                  Display Message "%APPTITLE%"
1689              End
1690              Add "OSQL not working, rebooting..." to INSTALL.LOG
1691              Reboot System
1692              Exit Installation
1693          End
1694
1695      Else
1696          Rem If a SQL already installed
1697          Rem Make sure the SQL server is running
1698          If SQL_INSTANCE Equals "" then
1699              Start Service MSSQLSERVER
1700          Else
1701              Start Service %SQL_INSTANCE%
1702          End
1703
1704      End
1705
1706      Rem =============================================
1707      Rem INSTALL WINDOWS DRIVER FOR ENABLER
1708      Rem =============================================
1709      If File or Directory exists %INST%\Driver then
1710          If SILENT Equals "0" then
1711              Display Progress Message "Installing"
1712          End
1713          Rem Delete All Drivers before copy the latest
1714          Delete File(s) %MAINDIR%\Driver\*
1715          Rem Copy Installation files across
1716          Copy local file from %INST%\Driver\DriverInstaller.exe to
                 %MAINDIR%\Driver\DriverInstaller.exe
1717          If OS Equals "64" then
1718              Copy local file from %INST%\Driver\x64\EnablerPCI.inf to
                     %MAINDIR%\Driver\EnablerPCI.inf
1719              Copy local file from %INST%\Driver\x64\Enbx64.sys to
                     %MAINDIR%\Driver\Enbx64.sys
1720              Copy local file from %INST%\Driver\x64\enbamd64.cat to
                     %MAINDIR%\Driver\enbamd64.cat
1721              Copy local file from %INST%\Driver\x64\DPInst.exe to
                     %MAINDIR%\Driver\DPInst.exe
1722              Copy local file from %INST%\Driver\x64\DPInst.xml to
                     %MAINDIR%\Driver\DPInst.xml
1723              Copy local file from
                     %INST%\Driver\x64\d5c4eb30-04db-4831-9b5c-6b4c1bfdd34c\enab...
1724              Copy local file from
                     %INST%\Driver\x64\d5c4eb30-04db-4831-9b5c-6b4c1bfdd34c\Enab...
1725              Copy local file from
                     %INST%\Driver\x64\d5c4eb30-04db-4831-9b5c-6b4c1bfdd34c\Enab...
1726          Else
```

```
1727            Copy local file from %INST%\Driver\x86\EnablerPCI.inf to
                    %MAINDIR%\Driver\EnablerPCI.inf
1728            Copy local file from %INST%\Driver\x86\Enbx32.sys to
                    %MAINDIR%\Driver\Enbx32.sys
1729            Copy local file from %INST%\Driver\x86\enbx86.cat to
                    %MAINDIR%\Driver\enbx86.cat
1730            Copy local file from %INST%\Driver\x86\DPInst.xml to
                    %MAINDIR%\Driver\DPInst.xml
1731            Copy local file from %INST%\Driver\x86\DPInst.exe to
                    %MAINDIR%\Driver\DPInst.exe
1732            Copy local file from
                    %INST%\Driver\x86\dd6f1c9a-e12e-4635-ad02-38e3553533bf\enab...
1733            Copy local file from
                    %INST%\Driver\x86\dd6f1c9a-e12e-4635-ad02-38e3553533bf\Enab...
1734            Copy local file from
                    %INST%\Driver\x86\dd6f1c9a-e12e-4635-ad02-38e3553533bf\Enab...
1735        End
1736        Rem Check that the RunOnce Key is present and create it if it
                doesn't
1737        Registry Key SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce =
1738
1739        Rem Installs the Driver calling an application that returns a
                success or not
1740        Execute %MAINDIR%\Driver\DriverInstaller.exe  (Wait)
1741        Add "Driver Installer return code %INSTALL_RESULT%" to INSTALL.LOG
1742        If INSTALL_RESULT Equals "1" then
1743            Rem Requires Reboot
1744            Set Variable DRIVERCODE to 1
1745        ElseIf INSTALL_RESULT Equals "2" then
1746            Rem Failed Install
1747            Set Variable DRIVERCODE to 2
1748        ElseIf INSTALL_RESULT Equals "3" then
1749            Rem No device present
1750            Set Variable DRIVERCODE to 3
1751        Else
1752            Rem Successful Install
1753            Set Variable DRIVERCODE to 0
1754        End
1755        If SILENT Equals "0" then
1756            Display Progress Message "Installing"
1757        End
1758      Else
1759          Display Message "Unable to Install Driver"
1760      End
1761    Rem End Installing Server components
1762  End
1763
1764    Rem ==========================================
1765    Rem Install VS 2008 SP1 C++ Redistributables - Used by Enabler v4 Psvr and
          EnbSessionX2
1766    Rem ==========================================
1767    If SILENT Equals "0" then
1768        Display Progress Message "Installing VS C++ 2008 SP1 Redistributables"
1769    End
```

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```
1770
1771      Install File V:\MsiQueryProduct.exe to %MAINDIR%\MsiQueryProduct.exe
1772      Execute %MAINDIR%\MsiQueryProduct.exe
              {9A25302D-30C0-39D9-BD6F-21E6EC160475} (Wait)
1773      If VC2008RUNTIME_STATUS Equals "5" then
1774        Add "INFO: Skipping VS C++ 2008 SP1 runtime - already installed" to
              INSTALL.LOG
1775      Else
1776
1777        Rem Ok now we try to install the runtime
1778        If File or Directory doesn't exist %MAINDIR%\vcredist_x86.exe then
1779          Add "Installing VS C++ 2008 SP1 Redistributables" to INSTALL.LOG
1780          Install File V:\Extra\vcredist_x86.exe to %MAINDIR%\vcredist_x86.exe
1781          Execute CMD.EXE /C %MAINDIR%\vcredist_x86.exe /q (Wait)
1782          If INSTALL_RESULT Not Equal "0" then
1783            If INSTALL_RESULT Not Equal "3010" then
1784              If SILENT Equals "0" then
1785                Display Message "VS C++ 2008 SP1 Redistributables Installer
                      Failed"
1786              End
1787              Add "ERROR: VS C++ 2008 SP1 Redistributables Installation
                    Failed" to INSTALL.LOG
1788              Exit Installation
1789            Else
1790              Add "INFO: VS C++ 2008 SP1 Redistributables Installation
                    reported error 3010, Reboot pending" to INSTALL.LOG
1791            End
1792          End
1793        End
1794      End
1795
1796      /* Rem ==========================================
1797      /* Rem Install VS 2015 C++ Redistributables - Used by Enabler PCI/PCIe
              Driver
1798      /* Rem ==========================================
1799      /* If SILENT Equals "0" then
1800      /* Display Progress Message "Installing VS C++ 2015 Redistributables"
1801      /* End
1802      /*
1803      /* Install File V:\MsiQueryProduct.exe to %MAINDIR%\MsiQueryProduct.exe
1804      /* Execute %MAINDIR%\MsiQueryProduct.exe
              {9A25302D-30C0-39D9-BD6F-21E6EC160475} (Wait)
1805      /* If VC2015RUNTIME_STATUS Equals "5" then
1806      /* Add "INFO: Skipping VS C++ 2015 runtime - already installed" to
              INSTALL.LOG
1807      /* Else
1808      /*
1809      /* Rem Ok now we try to install the runtime
1810      /* Set Variable VC2015REDIST_FOUND to 0
1811      /* If  Expression True "OPERATING_SYSTEM >= 6" then
1812      /* If  Expression True "OS=64" then
1813      /* If File or Directory doesn't exist %MAINDIR%\vc2015redist_x64.exe then
1814      /* If File or Directory exists V:\Extra\vc2015_redist.x64.exe then
1815      /* Set Variable VC2015REDIST_FOUND to 1
```

```
1816      /* Add "INFO: Installing VS C++ 2015 SP1 Redistributables (64-bit)" to
             INSTALL.LOG
1817      /* Install File V:\Extra\vc2015_redist.x64.exe to
             %MAINDIR%\vc2015redist_x64.exe
1818      /* Execute CMD.EXE /C %MAINDIR%\vc2015redist_x64.exe /q (Wait)
1819      /* Else
1820      /* Add "INFO: Skipped C++ 2015 SP1 Redistributables - not included in
             install package" to INSTALL.LOG
1821      /* End
1822      /* End
1823      /* Else
1824      /* Rem BUG: ? shouldn't we always install the 32-bit runtime if the reason
             we're adding this runtime is in general preparation for applications...
1825      /* If File or Directory doesn't exist %MAINDIR%\vc2015redist_x86.exe then
1826      /* If File or Directory exists V:\Extra\vc2015_redist.x86.exe then
1827      /* Set Variable VC2015REDIST_FOUND to 2
1828      /* Add "INFO: Installing VS C++ 2015 SP1 Redistributables (32-bit)" to
             INSTALL.LOG
1829      /* Install File V:\Extra\vc2015_redist.x86.exe to
             %MAINDIR%\vc2015redist_x86.exe
1830      /* Execute CMD.EXE /C %MAINDIR%\vc2015redist_x86.exe /q (Wait)
1831      /* Else
1832      /* Add "INFO: Skipped C++ 2015 SP1 Redistributables - not included in
             install package" to INSTALL.LOG
1833      /* End
1834      /* End
1835      /* End
1836      /* If VC2015REDIST_FOUND Greater Than "0" then
1837      /* If INSTALL_RESULT Not Equal "0" then
1838      /* If SILENT Equals "0" then
1839      /* Display Message "VS C++ 2015 Redistributables Installer Failed"
1840      /* End
1841      /* Add "ERROR: VS C++ 2015 Redistributables Installation Failed" to
             INSTALL.LOG
1842      /* Exit Installation
1843      /* End
1844      /* If SILENT Equals "0" then
1845      /* Display Progress Message "Installing VS C++ 2015 Redistributables"
1846      /* End
1847      /* End
1848      /* End
1849      /* End
1850      /*
1851      If SILENT Equals "0" then
1852         Display Progress Message "The Enabler"
1853      End
1854
1855      Rem ==========================================
1856      Rem Remove variables saved in the Windows Registry
1857      Rem ==========================================
1858      Stop writing to installation log
1859      Edit 6 registry keys
1860      Continue/Start writing to installation log
1861
```

```
1862    Rem When the BACKUP feature is enabled, the BACKUPDIR is initialized
1863    If DOBACKUP Equals "A" then
1864       Set Variable BACKUPDIR to %BACKUP%
1865    End
1866
1867    Rem Check free disk space calculates free disk space as well as component
              sizes.
1868    Rem It should be located before all Install File actions.
1869    Check free disk space
1870
1871    Rem This include script allows uninstall support
1872    Include Script %_WISE_%\INCLUDE\uninstal.wse
1873
1874    Rem ============================================
1875    Rem Remove ATL.DLL hook if preset to prevent automatic activation of MSDE
              setup - See http://support.microsoft.com/kb/889289
1876    Rem ============================================
1877    Registry Key CLSID\{44EC053A-400F-11D0-9DCD-00A0C90391D3}\InprocServer32 =
              )1pFEf=hI=DBiz@GgPxz>w.'b9VZqf(g6u.Q(31aR
1878    Add "Removing ATL.DLL hook MSDN KB:889289" to INSTALL.LOG
1879
1880    Rem First we create the log directory - even clients need this
1881    Create Directory %MAINDIR%\Log
1882
1883    Rem ============================================
1884    Rem INSTALL ENABLER FILES
1885    Rem ============================================
1886
1887    Rem Load registry settings required to Add start menu items
1888    If System Has Windows 95 Shell Interface then
1889       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1890       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1891       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1892       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1893       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1894       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1895       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1896       Get Registry Key
              Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders ...
1897       Set Variable CGROUP_SAVE to %GROUP%
1898       Set Variable DESKTOPDIR to %CDESKTOPDIR%
1899       Set Variable GROUP to %CGROUPDIR%\%GROUP%
1900    Else
1901       Rem Just being paranoid really - we should never get here because we
              check the OS Version earlier on
1902       Add "ERROR: Cannot add Start menu items" to INSTALL.LOG
1903       Exit Installation
```

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```
1904        End
1905
1906        If COMPONENTS Contains Any Letters In "B" then
1907            Install File v:\bin\scutil.exe to %MAINDIR%\scutil.exe
1908            If File or Directory exists %MAINDIR%\psrvr4.exe then
1909                Execute %MAINDIR%\scutil.exe /STOP psrvr (Wait)
1910                If INSTALL_RESULT Not Equal "0" then
1911                    Add "INFO: Could not stop PSRVR (rc=%INSTALL_RESULT%)" to
                            INSTALL.LOG
1912                End
1913            End
1914            If File or Directory exists %MAINDIR%\bin\psrvr4.exe then
1915                Execute %MAINDIR%\scutil.exe /STOP psrvr (Wait)
1916                If INSTALL_RESULT Not Equal "0" then
1917                    Add "INFO: Could not stop PSRVR (rc=%INSTALL_RESULT%)" to
                            INSTALL.LOG
1918                End
1919            Else
1920                If File or Directory exists %MAINDIR%\psrvr.exe then
1921                    Execute %MAINDIR%\scutil.exe /STOP psrvr (Wait)
1922                    If INSTALL_RESULT Not Equal "0" then
1923                        Add "INFO: Could not stop PSRVR (rc=%INSTALL_RESULT%)" to
                                INSTALL.LOG
1924                    End
1925                End
1926            End
1927            If File or Directory exists %MAINDIR%\bin\WebHost.exe then
1928                Execute %MAINDIR%\scutil.exe /STOP WebHost (Wait)
1929                If INSTALL_RESULT Not Equal "0" then
1930                    Add "INFO: Could not stop Enabler Web (rc=%INSTALL_RESULT%)" to
                            INSTALL.LOG
1931                End
1932            End
1933            If File or Directory exists %MAINDIR%\bin\EnbWeb.exe then
1934                Execute %MAINDIR%\scutil.exe /STOP EnbWeb (Wait)
1935                If INSTALL_RESULT Not Equal "0" then
1936                    Add "INFO: Could not stop Enabler Web (rc=%INSTALL_RESULT%)" to
                            INSTALL.LOG
1937                End
1938            End
1939        End
1940
1941        Rem ==========================================
1942        Rem Create License.xml for licensed v4.0 Beta customers
1943        Rem ==========================================
1944        Add "Check for V4 Beta License " to INSTALL.LOG
1945        Install File V:\ConvertV4BetaLicense.exe to
               %MAINDIR%\ConvertV4BetaLicense.exe
1946        Execute %MAINDIR%\ConvertV4BetaLicense.exe /c (Wait)
1947        If INSTALL_RESULT Equals "0" then
1948            Add "v4.0 Beta License converted" to INSTALL.LOG
1949        End
1950
1951        Rem SETUP ENVIRONMENT VARIABLES AND REGISTRY KEYS
```

```
1952      If OS Equals "64" then
1953          Install File v:\bin\setx64.exe to %MAINDIR%\bin\setx64.exe
1954          Set Variable SETX_PATH to %MAINDIR%\bin\setx64.exe
1955      Else
1956          Install File v:\bin\setx32.exe to %MAINDIR%\bin\setx32.exe
1957          Set Variable SETX_PATH to %MAINDIR%\bin\setx32.exe
1958      End
1959      Display Progress Message " "
1960      Execute %SETX_PATH% ENABLER_ROOT %MAINDIR% -M (Wait)
1961      Execute %SETX_PATH% ENABLER_LOG %MAINDIR%\Log -M (Wait)
1962      Execute %SETX_PATH% ENABLER_DB_INSTANCE_NAME "%SQL_INSTANCE%" -M (Wait)
1963      Edit 6 registry keys
1964
1965      Rem And now the files
1966      If WINDOWS_VERSION Less Than "5" then
1967          Rem Should we install these into the SYSTEM32 folder?
1968          Add "Installing on Windows %WINDOWS_VERSION% installing extra DLLs" to
                  INSTALL.LOG
1969          Install File V:\Extra\ATL.DLL to %MAINDIR%\ATL.DLL
1970          Install File v:\extra\mfc42.dll to %MAINDIR%\mfc42.dll
1971          Install File v:\extra\mfc42u.dll to %MAINDIR%\mfc42u.dll
1972      End
1973      Delete File(s) %MAINDIR%\Release Notes.html
1974      If File or Directory exists V:\Release Notes.htm then
1975          Install File V:\Release Notes.htm to %MAINDIR%\Release Notes.htm
1976      End
1977      If File or Directory exists V:\Update\PumpUpdate.htm then
1978          Install File V:\Update\PumpUpdate.htm to %MAINDIR%\PumpUpdate.htm
1979      End
1980      Install File v:\bin\atutil.exe to %MAINDIR%\atutil.exe
1981      Install File v:\bin\odbcnfg.exe to %MAINDIR%\bin\odbcnfg.exe
1982      Install File V:\bin\ODBCnfg64.exe to %MAINDIR%\bin\odbcnfg64.exe
1983      Install File V:\EnbKick.exe to %MAINDIR%\EnbKick.exe
1984
1985      Rem =============================================
1986      Rem API ASSEMBLIES - perhaps some of these should be optional install
              components
1987      Rem =============================================
1988
1989      /* Install File v:\API\ActiveX\EnbSessionX.ocx to
              %MAINDIR%\EnbSessionX.ocx
1990      /* Install File v:\API\ActiveX\EnbOPTX.ocx to %MAINDIR%\EnbOPTX.ocx
1991      /* Install File v:\API\ActiveX\EnbPumpX.ocx to %MAINDIR%\EnbPumpX.ocx
1992      /* Install File v:\API\ActiveX\EnbAttendantX.ocx to
              %MAINDIR%\EnbAttendantX.ocx
1993      Rem Only include ActiveX2 controls if they're in the source directory
1994      Install File v:\API\ActiveX\EnbPumpX2.ocx to %MAINDIR%\EnbPumpX2.ocx
1995      Install File v:\API\ActiveX\EnbSessionX2.ocx to %MAINDIR%\EnbSessionX2.ocx
1996      Install File v:\API\ActiveX\EnbAttendantX2.ocx to
              %MAINDIR%\EnbAttendantX2.ocx
1997      Install File v:\EnablerSoundEvents.reg to %MAINDIR%\EnablerSoundEvents.reg
1998      Rem Include EnbConfigX if available
1999      If Compiler Variable  File Exists "v:\API\EnbConfigX.ocx" then
2000      Install File v:\API\ActiveX\EnbConfigX.ocx to %MAINDIR%\EnbConfigX.ocx
```

```
2001     Compiler Variable End
2002     Rem Java Assemblies
2003     Install File V:\API\Java\enabler-api-1.0.jar to
            %MAINDIR%\enabler-api-1.0.jar
2004     Install File v:\Extra\joda-time-2.0.jar to %MAINDIR%\joda-time-2.0.jar
2005     Install File v:\Extra\joda-time-NOTICE.txt to
            %MAINDIR%\joda-time-NOTICE.txt
2006     Install File v:\Extra\joda-time-LICENSE.txt to
            %MAINDIR%\joda-time-LICENSE.txt
2007
2008     Rem Enabler 4 .NET API assembly self installing package
2009     Rem TODO: update this MSI to install to different locations.
2010     If File or Directory exists %MAINDIR%\InstallEnablerAPI.msi then
2011        Rem Uninstall the previous version before installing the new one.
2012        Execute %SYS32%\msiexec.exe /quiet /L+* %MAINDIR%\log\APIInstall.log
               /uninstall {30876486-DB1A-41CE-95D0-58F1EEA13AE8} (Wait)
2013        If INSTALL_RESULT Not Equal "0" then
2014           Add "INFO: Could not uninstall existing Enabler API - ERRORLEVEL =
                  %INSTALL_RESULT%" to INSTALL.LOG
2015        End
2016     End
2017     Install File V:\API\NET\InstallEnablerAPI.msi to
            %MAINDIR%\InstallEnablerAPI.msi
2018     Execute %SYS32%\msiexec.exe /quiet /L+* %MAINDIR%\log\APIInstall.log
            /package %MAINDIR%\InstallEnablerAPI.msi (Wait)
2019     If INSTALL_RESULT Not Equal "0" then
2020        Add "INFO: Could not install Enabler API - ERRORLEVEL =
               %INSTALL_RESULT%" to INSTALL.LOG
2021        If SILENT Equals "0" then
2022           Display Message "Enabler API"
2023        End
2024        Exit Installation
2025     End
2026
2027     Rem Enabler 4 WPF Controls for .NET API
2028     Install File V:\API\NET\ITL.Enabler.WPFControls.dll to
            %MAINDIR%\ITL.Enabler.WPFControls.dll (Version)
2029     Install File
            V:\API\NET\System.Windows.Controls.DataVisualization.Toolkit.dll to ...
2030     Install File V:\API\NET\WPFToolkit.dll to %MAINDIR%\WPFToolkit.dll
            (Version)
2031
2032     Rem ============================================
2033     Rem SECURITY COMPONENTS - ALWAYS INSTALLED
2034     Rem ============================================
2035     If Compiler Variable  File Exists "v:\EnbSecurityController.exe" then
2036     Install File v:\EnbSecurityController.exe to
            %MAINDIR%\EnbSecurityController.exe
2037     Compiler Variable End
2038     If Compiler Variable  File Exists "v:\SecurityModule.dll" then
2039     Install File v:\SecurityModule.dll to %MAINDIR%\SecurityModule.dll
2040     Compiler Variable End
2041     Rem Security components always get installed
2042     If Compiler Variable  File Exists "v:\AuditTrail.dll" then
```

```
2043      Install File v:\AuditTrail.dll to %MAINDIR%\AuditTrail.dll
2044      Compiler Variable End
2045
2046      Rem Icon for Add/Remove programs
2047      Install File v:\itl.ico to %MAINDIR%\itl.ico
2048
2049        Rem ==============================================
2050        Rem THIRD PARTY DLL & OCX FILES FOR VB6 APPS (e.g. MPPSIM)
2051        Rem ==============================================
2052      Install File v:\Extra\Mscomm32.ocx to %MAINDIR%\Mscomm32.ocx (Version)
2053      Install File v:\Extra\Comdlg32.ocx to %MAINDIR%\Comdlg32.ocx (Version)
2054      Install File v:\Extra\Comctl32.ocx to %MAINDIR%\Comctl32.ocx (Version)
2055      Install File v:\Extra\Comct232.ocx to %MAINDIR%\Comct232.ocx (Version)
2056      Rem MsFlxGrd required for VB6 PumpDemo
2057      Install File v:\Extra\Msflxgrd.ocx to %MAINDIR%\Msflxgrd.ocx (Version)
2058      Install File v:\Extra\Msvcp60.dll to %MAINDIR%\Msvcp60.dll (Version)
2059      Install File v:\Extra\Msrdo20.dll to %MAINDIR%\Msrdo20.dll (Version)
2060      Install File v:\Extra\Msrdc20.ocx to %MAINDIR%\Msrdc20.ocx (Version)
2061
2062        Rem ==============================================
2063      Rem INSTALL SERVER FILES
2064        Rem ==============================================
2065      If COMPONENTS Contains Any Letters In "B" then
2066
2067         Rem Environment and Registry variables
2068         Execute %SETX_PATH% ENABLER_SERVER %ENV_COMPUTERNAME% -M (Wait)
2069         Execute %SETX_PATH% ENABLER_WEB "%MAINDIR%\www" -M (Wait)
2070         Execute %SETX_PATH% ENABLER_BIN "%MAINDIR%\bin" -M (Wait)
2071         Execute %SETX_PATH% ENABLER_DB "%DBDIR%" -M (Wait)
2072         Edit 8 registry keys
2073
2074         Rem Enabler Database scripts and batch files
2075         Install File v:\scripts\DBInstall.bat to %MAINDIR%\DBInstall.bat
2076         Install File v:\scripts\DBUpgrade.bat to %MAINDIR%\DBUpgrade.bat
2077         Install File v:\scripts\AfterRestore.sql to %MAINDIR%\AfterRestore.sql
2078         Install File v:\scripts\attach.sql to %MAINDIR%\attach.sql
2079         Install File v:\scripts\checkdb.sql to %MAINDIR%\checkdb.sql
2080         Install File v:\scripts\config70.sql to %MAINDIR%\config70.sql
2081         Install File v:\scripts\DefaultData.sql to %MAINDIR%\DefaultData.sql
2082         Install File v:\scripts\enabler.sql to %MAINDIR%\enabler.sql
2083         Install File v:\scripts\eic.sql to %MAINDIR%\eic.sql
2084         Install File v:\scripts\Load.sql to %MAINDIR%\Load.sql
2085      If Compiler Variable  File Exists "v:\scripts\AuditTriggers.sql" then
2086         /* Install File v:\scripts\AuditTriggers.sql to
               %MAINDIR%\AuditTriggers.sql
2087      Compiler Variable End
2088         Install File v:\scripts\MkUpgrade.sql to %MAINDIR%\MkUpgrade.sql
2089         Install File v:\scripts\populate.sql to %MAINDIR%\populate.sql
2090         Install File v:\scripts\LOADEnbConfigX.SQL to
               %MAINDIR%\LOADEnbConfigX.SQL
2091
2092         Install File v:\scripts\dbfix.sql to %MAINDIR%\dbfix.sql
2093         Install File v:\scripts\drop.sql to %MAINDIR%\drop.sql
2094         If File or Directory exists %MAINDIR%\nightly70.bat then
```

```
2095        Delete File(s) %MAINDIR%\nightly70.bat
2096        Rem Remove any schedule entry for the nightly backup (just in case
                the server software was previous installed)
2097        Execute %MAINDIR%\atutil.exe /d \Enabler\nightly (Wait)
2098     End
2099     If File or Directory exists %MAINDIR%\bin\nightly.bat then
2100        Delete File(s) %MAINDIR%\bin\nightly.bat
2101        Rem Remove any schedule entry for the nightly backup (just in case
                the server software was previous installed)
2102        Execute %MAINDIR%\atutil.exe /d %MAINDIR%\bin\nightly (Wait)
2103     End
2104     Install File v:\scripts\Nightly.bat to %MAINDIR%\Nightly.bat
2105     Install File v:\scripts\Nightly.sql to %MAINDIR%\Nightly.sql
2106     Install File v:\scripts\EnablerRestore.bat to
             %MAINDIR%\EnablerRestore.bat
2107     Install File v:\scripts\sql70.bat to %MAINDIR%\sql70.bat
2108
2109     Rem Enabler Server Executables
2110     Install File v:\bin\ExpressUpdate.exe to %MAINDIR%\ExpressUpdate.exe
2111     If  Expression True "OS=64 And OPERATING_SYSTEM >= 6" then
2112        Install File v:\bin\ExpressUpdatex64.exe to
                %MAINDIR%\ExpressUpdatex64.exe
2113     End
2114     Install File V:\bin\PCIUpdate.exe to %MAINDIR%\PCIUpdate.exe
2115     If File or Directory exists %MAINDIR%\Install.exe then
2116        Rem Remove the older install.exe application which has been renamed
                to PCIUpdate
2117        Delete File(s) %MAINDIR%\Install.exe
2118     End
2119     Install File v:\bin\psrvr4.exe to %MAINDIR%\bin\psrvr4.exe
2120     If File or Directory exists %MAINDIR%\vsql.exe then
2121        Delete File(s) %MAINDIR%\vsql.exe
2122     End
2123     /* Install File v:\windrvr.sys to %MAINDIR%\windrvr.sys
2124
2125     Rem Now the batch files...
2126     Install File v:\scripts\onmains.bat to %MAINDIR%\onmains.bat
2127     Install File v:\scripts\onbatt.bat to %MAINDIR%\onbatt.bat
2128     Install File v:\scripts\CommsLst.bat to %MAINDIR%\CommsLst.bat
2129     Install File v:\scripts\CommsEst.bat to %MAINDIR%\CommsEst.bat
2130     Install File v:\scripts\ComLstBt.bat to %MAINDIR%\ComLstBt.bat
2131     Install File v:\scripts\BattLow.bat to %MAINDIR%\BattLow.bat
2132     Install File v:\scripts\BattGood.bat to %MAINDIR%\BattGood.bat
2133     Install File v:\scripts\BattFlat.bat to %MAINDIR%\BattFlat.bat
2134
2135     Rem Copy version EIC.INF file - for USB connection to new hardware
2136     Install File V:\EicGX.inf to %MAINDIR%\EicGX.inf
2137
2138     Rem Install Enabler E firmware
2139     Install File V:\EicMain2.hex to %MAINDIR%\EicMain2.hex
2140
2141     Rem Customer or integrator branding; customer configurable files
2142     If File or Directory exists %INST%\branding\integrator.xml then
2143        Copy local file from %INST%\branding\integrator.xml to
                %MAINDIR%\integrator\integrator.xml
```

```
2144        Else
2145            Delete File(s) %MAINDIR%\integrator\integrator.xml
2146        End
2147
2148        Rem These are now combined into the EnbWeb/WebPages assembly by the
                obsfucator. Delete these files if they exists!
2149        If File or Directory exists %MAINDIR%\bin\DataAccess.dll then
2150            Delete File(s) %MAINDIR%\bin\DataAccess.dll
2151        End
2152        If File or Directory exists %MAINDIR%\bin\DataEntity.dll then
2153            Delete File(s) %MAINDIR%\bin\DataEntity.dll
2154        End
2155        If File or Directory exists %MAINDIR%\bin\DataModules.dll then
2156            Delete File(s) %MAINDIR%\bin\DataModules.dll
2157        End
2158        If File or Directory exists %MAINDIR%\bin\DataValidation.dll then
2159            Delete File(s) %MAINDIR%\bin\DataValidation.dll
2160        End
2161        If File or Directory exists %MAINDIR%\bin\WebData.dll then
2162            Delete File(s) %MAINDIR%\bin\WebData.dll
2163        End
2164
2165        Rem Web Server files and assemblies
2166        Install File V:\bin\OpenNETCF.SSL.dll to
                %MAINDIR%\bin\OpenNETCF.SSL.dll
2167        Install File V:\bin\OpenNETCF.Web.dll to
                %MAINDIR%\bin\OpenNETCF.Web.dll
2168        Install File V:\bin\OpenNETCF.Web.Html.dll to
                %MAINDIR%\bin\OpenNETCF.Web.Html.dll
2169        Install File V:\bin\Utilities.dll to %MAINDIR%\bin\Utilities.dll
2170        Install File V:\bin\Newtonsoft.Json.dll to
                %MAINDIR%\bin\Newtonsoft.Json.dll
2171        Rem SSL files
2172        Install File V:\bin\openssl.exe to %MAINDIR%\bin\openssl.exe
2173        Install File V:\bin\libeay32.dll to %MAINDIR%\bin\libeay32.dll
2174        Install File V:\bin\ssleay32.dll to %MAINDIR%\bin\ssleay32.dll
2175        Install File V:\bin\openssl.cnf to %MAINDIR%\bin\openssl.cnf
2176        Install File V:\bin\OpenSSL-License.txt to
                %MAINDIR%\bin\OpenSSL-License.txt
2177        Install File V:\bin\SecureBlackbox.dll to
                %MAINDIR%\bin\SecureBlackbox.dll
2178        Install File V:\bin\SecureBlackbox.SSLCommon.dll to
                %MAINDIR%\bin\SecureBlackbox.SSLCommon.dll
2179        Install File V:\bin\SecureBlackbox.SSLServer.dll to
                %MAINDIR%\bin\SecureBlackbox.SSLServer.dll
2180        Install File V:\bin\SecureBlackbox.Mail.dll to
                %MAINDIR%\bin\SecureBlackbox.Mail.dll
2181        Install File V:\bin\SecureBlackbox.MIME.dll to
                %MAINDIR%\bin\SecureBlackbox.MIME.dll
2182        If File or Directory exists %MAINDIR%\bin\webhost.exe then
2183            Execute %MAINDIR%\bin\webhost.exe /uninstall (Wait)
2184        End
2185        If File or Directory exists %MAINDIR%\bin\enbweb.exe then
2186            Execute %MAINDIR%\bin\enbweb.exe /stop (Wait)
```

```
2187          Execute %MAINDIR%\bin\enbweb.exe /uninstall (Wait)
2188       End
2189       Install File V:\bin\EnbWeb.exe to %MAINDIR%\bin\EnbWeb.exe
2190       Install File V:\bin\EnbWeb.exe.config to
              %MAINDIR%\bin\EnbWeb.exe.config
2191       Insert line "DefaultPort="%ENBWEB_PORT%"" into text file
              %MAINDIR%\bin\EnbWeb.exe.config.
2192       Insert line "Domain="%ENBWEB_DOMAIN%"" into text file
              %MAINDIR%\EnbWeb.exe.config.
2193       Delete File(s) %MAINDIR%\WebHost.exe.config
2194       Delete File(s) %MAINDIR%\WebHost.exe
2195
2196       Rem Assembly containing English resource strings
2197       Install File V:\www\bin\WebPages.dll to %MAINDIR%\www\bin\WebPages.dll
2198
2199       Rem Assembly containing RestData API
2200       Install File V:\bin\RESTData.dll to %MAINDIR%\bin\RESTData.dll
2201
2202       Rem Assembly containing English resource strings
2203       Install File V:\bin\PageResources.dll to
              %MAINDIR%\bin\PageResources.dll
2204       Rem Satellite assemblies for specific languages
2205       Install File V:\bin\es\PageResources.resources.dll to
              %MAINDIR%\bin\es\PageResources.resources.dll
2206       Install File V:\bin\fr\PageResources.resources.dll to
              %MAINDIR%\bin\fr\PageResources.resources.dll
2207       Install File V:\bin\id\PageResources.resources.dll to
              %MAINDIR%\bin\id\PageResources.resources.dll
2208       Install File V:\bin\it-IT\PageResources.resources.dll to
              %MAINDIR%\bin\it-IT\PageResources.resources.dll
2209       Install File V:\bin\pt-BR\PageResources.resources.dll to
              %MAINDIR%\bin\pt-BR\PageResources.resources.dll
2210       Install File V:\bin\ru\PageResources.resources.dll to
              %MAINDIR%\bin\ru\PageResources.resources.dll
2211       Install File V:\bin\sl\PageResources.resources.dll to
              %MAINDIR%\bin\sl\PageResources.resources.dll
2212       Install File V:\bin\th\PageResources.resources.dll to
              %MAINDIR%\bin\th\PageResources.resources.dll
2213       Install File V:\bin\zh-CHS\PageResources.resources.dll to
              %MAINDIR%\bin\zh-CHS\PageResources.resources.dll
2214
2215       Rem Web files
2216       Install File V:\www\css\Enabler.css to %MAINDIR%\www\css\Enabler.css
2217       Install File V:\www\css\EnablerPrintReport.css to
              %MAINDIR%\www\css\EnablerPrintReport.css
2218       Install File V:\www\css\EnablerReport.css to
              %MAINDIR%\www\css\EnablerReport.css
2219       Install File V:\www\css\EnablerSiteMonitor.css to
              %MAINDIR%\www\css\EnablerSiteMonitor.css
2220       Install File V:\www\css\EnablerTable.css to
              %MAINDIR%\www\css\EnablerTable.css
2221       Install File V:\www\css\Login.css to %MAINDIR%\www\css\Login.css
2222       Install File V:\www\css\menu.css to %MAINDIR%\www\css\menu.css
2223
```

```
2224        Install File V:\www\images\bluecircle.png to
               %MAINDIR%\www\images\bluecircle.png
2225        Install File V:\www\images\down.png to %MAINDIR%\www\images\down.png
2226        Install File V:\www\images\flag_ar.jpg to
               %MAINDIR%\www\images\flag_ar.jpg
2227        Install File V:\www\images\flag_au.jpg to
               %MAINDIR%\www\images\flag_au.jpg
2228        Install File V:\www\images\flag_bo.jpg to
               %MAINDIR%\www\images\flag_bo.jpg
2229        Install File V:\www\images\flag_br.jpg to
               %MAINDIR%\www\images\flag_br.jpg
2230        Install File V:\www\images\flag_ca.jpg to
               %MAINDIR%\www\images\flag_ca.jpg
2231        Install File V:\www\images\flag_cl.jpg to
               %MAINDIR%\www\images\flag_cl.jpg
2232        Install File V:\www\images\flag_cn.jpg to
               %MAINDIR%\www\images\flag_cn.jpg
2233        Install File V:\www\images\flag_el.jpg to
               %MAINDIR%\www\images\flag_el.jpg
2234        Install File V:\www\images\flag_es.jpg to
               %MAINDIR%\www\images\flag_es.jpg
2235        Install File V:\www\images\flag_fi.jpg to
               %MAINDIR%\www\images\flag_fi.jpg
2236        Install File V:\www\images\flag_fr.jpg to
               %MAINDIR%\www\images\flag_fr.jpg
2237        Install File V:\www\images\flag_gb.jpg to
               %MAINDIR%\www\images\flag_gb.jpg
2238        Install File V:\www\images\flag_gu.jpg to
               %MAINDIR%\www\images\flag_gu.jpg
2239        Install File V:\www\images\flag_hk.jpg to
               %MAINDIR%\www\images\flag_hk.jpg
2240        Install File V:\www\images\flag_id.jpg to
               %MAINDIR%\www\images\flag_id.jpg
2241        Install File V:\www\images\flag_in.jpg to
               %MAINDIR%\www\images\flag_in.jpg
2242        Install File V:\www\images\flag_ir.jpg to
               %MAINDIR%\www\images\flag_ir.jpg
2243        Install File V:\www\images\flag_it.jpg to
               %MAINDIR%\www\images\flag_it.jpg
2244        Install File V:\www\images\flag_ml.jpg to
               %MAINDIR%\www\images\flag_ml.jpg
2245        Install File V:\www\images\flag_mx.jpg to
               %MAINDIR%\www\images\flag_mx.jpg
2246        Install File V:\www\images\flag_nz.jpg to
               %MAINDIR%\www\images\flag_nz.jpg
2247        Install File V:\www\images\flag_om.jpg to
               %MAINDIR%\www\images\flag_om.jpg
2248        Install File V:\www\images\flag_pe.jpg to
               %MAINDIR%\www\images\flag_pe.jpg
2249        Install File V:\www\images\flag_ph.jpg to
               %MAINDIR%\www\images\flag_ph.jpg
2250        Install File V:\www\images\flag_pk.jpg to
               %MAINDIR%\www\images\flag_pk.jpg
2251        Install File V:\www\images\flag_ru.jpg to
               %MAINDIR%\www\images\flag_ru.jpg
```

```
2252        Install File V:\www\images\flag_si.jpg to
               %MAINDIR%\www\images\flag_si.jpg
2253        Install File V:\www\images\flag_th.jpg to
               %MAINDIR%\www\images\flag_th.jpg
2254        Install File V:\www\images\flag_us.jpg to
               %MAINDIR%\www\images\flag_us.jpg
2255        Install File V:\www\images\flag_za.jpg to
               %MAINDIR%\www\images\flag_za.jpg
2256        Install File V:\www\images\folder.gif to
               %MAINDIR%\www\images\folder.gif
2257        Install File V:\www\images\greenarrow.png to
               %MAINDIR%\www\images\GreenArrow.png
2258        Install File V:\www\images\greentick.png to
               %MAINDIR%\www\images\GreenTick.png
2259        Install File V:\www\images\greenticksmall.png to
               %MAINDIR%\www\images\GreenTickSmall.png
2260        Install File V:\www\images\IncompleteSmall.png to
               %MAINDIR%\www\images\IncompleteSmall.png
2261        If File or Directory exists %INST%\branding\logo-web.png then
2262           Copy local file from %INST%\branding\logo-web.png to
                  %MAINDIR%\www\images\logo.png
2263        Else
2264           Install File V:\www\images\logo.png to %MAINDIR%\www\images\logo.png
2265        End
2266        Install File V:\www\images\pumpx-animate.gif to
               %MAINDIR%\www\images\pumpx-animate.gif
2267        Install File V:\www\images\RedCross.png to
               %MAINDIR%\www\images\RedCross.png
2268        Install File V:\www\images\RedCrossSmall.png to
               %MAINDIR%\www\images\RedCrossSmall.png
2269        Install File V:\www\images\tools32.PNG to
               %MAINDIR%\www\images\tools32.PNG
2270        Install File V:\www\images\tableft.gif to
               %MAINDIR%\www\images\tableft.gif
2271        Install File V:\www\images\tableft.jpg to
               %MAINDIR%\www\images\TabLeft.jpg
2272        Install File V:\www\images\tableftactive.gif to
               %MAINDIR%\www\images\tableftactive.gif
2273        Install File V:\www\images\TabLeftActive.jpg to
               %MAINDIR%\www\images\TabLeftActive.jpg
2274        Install File V:\www\images\tabright.gif to
               %MAINDIR%\www\images\tabright.gif
2275        Install File V:\www\images\TabRight.jpg to
               %MAINDIR%\www\images\TabRight.jpg
2276        Install File V:\www\images\tabrightactive.gif to
               %MAINDIR%\www\images\tabrightactive.gif
2277        Install File V:\www\images\TabRightActive.jpg to
               %MAINDIR%\www\images\TabRightActive.jpg
2278        Install File V:\www\images\text.gif to %MAINDIR%\www\images\text.gif
2279        Install File V:\www\images\textfolder.gif to
               %MAINDIR%\www\images\textfolder.gif
2280
2281        Install File V:\www\images\icons\critical.PNG to
               %MAINDIR%\www\images\icons\critical.PNG
```

```
2282      Install File V:\www\images\icons\error.PNG to
             %MAINDIR%\www\images\icons\error.PNG
2283      Install File V:\www\images\icons\information.PNG to
             %MAINDIR%\www\images\icons\information.PNG
2284      Install File V:\www\images\icons\warning.PNG to
             %MAINDIR%\www\images\icons\warning.PNG
2285
2286      Install File V:\www\images\pump\authed.png to
             %MAINDIR%\www\images\pump\authed.png
2287      Install File V:\www\images\pump\AuthedDisabled.png to
             %MAINDIR%\www\images\pump\AuthedDisabled.png
2288      Install File V:\www\images\pump\calling.png to
             %MAINDIR%\www\images\pump\calling.png
2289      Install File V:\www\images\pump\calling1.png to
             %MAINDIR%\www\images\pump\calling1.png
2290      Install File V:\www\images\pump\CallingDisabled.png to
             %MAINDIR%\www\images\pump\CallingDisabled.png
2291      Install File V:\www\images\pump\DeliveringDisabled.png to
             %MAINDIR%\www\images\pump\DeliveringDisabled.png
2292      Install File V:\www\images\pump\deliverying.png to
             %MAINDIR%\www\images\pump\deliverying.png
2293      Install File V:\www\images\pump\error.png to
             %MAINDIR%\www\images\pump\error.png
2294      Install File V:\www\images\pump\errordelivery.png to
             %MAINDIR%\www\images\pump\errordelivery.png
2295      Install File V:\www\images\pump\invalidprice.png to
             %MAINDIR%\www\images\pump\invalidprice.png
2296      Install File V:\www\images\pump\MECHANICAL.png to
             %MAINDIR%\www\images\pump\MECHANICAL.png
2297      Install File V:\www\images\pump\notinstalled.png to
             %MAINDIR%\www\images\pump\notinstalled.png
2298      Install File V:\www\images\pump\nozout.png to
             %MAINDIR%\www\images\pump\nozout.png
2299      Install File V:\www\images\pump\nozzle.png to
             %MAINDIR%\www\images\pump\nozzle.png
2300      Install File V:\www\images\pump\NozzleDisabled.png to
             %MAINDIR%\www\images\pump\NozzleDisabled.png
2301      Install File V:\www\images\pump\NozzleOutDisabled1.png to
             %MAINDIR%\www\images\pump\NozzleOutDisabled1.png
2302      Install File V:\www\images\pump\NozzleOutDisabled2.png to
             %MAINDIR%\www\images\pump\NozzleOutDisabled2.png
2303      Install File V:\www\images\pump\PREAUTHAUTH.png to
             %MAINDIR%\www\images\pump\PREAUTHAUTH.png
2304      Install File V:\www\images\pump\PreauthAuthedDisabled.png to
             %MAINDIR%\www\images\pump\PreauthAuthedDisabled.png
2305      Install File V:\www\images\pump\PREAUTHDEL.png to
             %MAINDIR%\www\images\pump\PREAUTHDEL.png
2306      Install File V:\www\images\pump\PreauthDeliveringDisabled.png to
             %MAINDIR%\www\images\pump\PreauthDeliveringDisabled.png
2307      Install File V:\www\images\pump\PREAUTHRES.png to
             %MAINDIR%\www\images\pump\PREAUTHRES.png
2308      Install File V:\www\images\pump\PreauthReservedDisabled.png to
             %MAINDIR%\www\images\pump\PreauthReservedDisabled.png
2309      Install File V:\www\images\pump\prepayauth.png to
             %MAINDIR%\www\images\pump\prepayauth.png
```

```
2310      Install File V:\www\images\pump\PrepayAuthedDisabled.png to
             %MAINDIR%\www\images\pump\PrepayAuthedDisabled.png
2311      Install File V:\www\images\pump\PREPAYDEL.png to
             %MAINDIR%\www\images\pump\PREPAYDEL.png
2312      Install File V:\www\images\pump\PrepayDeliveringDisabled.png to
             %MAINDIR%\www\images\pump\PrepayDeliveringDisabled.png
2313      Install File V:\www\images\pump\prepayres.png to
             %MAINDIR%\www\images\pump\prepayres.png
2314      Install File V:\www\images\pump\PrepayReservedDisabled.png to
             %MAINDIR%\www\images\pump\PrepayReservedDisabled.png
2315      Install File V:\www\images\pump\pricechange.png to
             %MAINDIR%\www\images\pump\pricechange.png
2316      Install File V:\www\images\pump\pumpbusy.png to
             %MAINDIR%\www\images\pump\pumpbusy.png
2317      Install File V:\www\images\pump\refundlost.png to
             %MAINDIR%\www\images\pump\refundlost.png
2318      Install File V:\www\images\pump\RefundLostDisabled.png to
             %MAINDIR%\www\images\pump\RefundLostDisabled.png
2319      Install File V:\www\images\pump\stopped.png to
             %MAINDIR%\www\images\pump\stopped.png
2320      Install File V:\www\images\pump\stopped1.png to
             %MAINDIR%\www\images\pump\stopped1.png
2321      Install File V:\www\images\pump\Stopped1Disabled.png to
             %MAINDIR%\www\images\pump\Stopped1Disabled.png
2322      Install File V:\www\images\pump\stopped2.png to
             %MAINDIR%\www\images\pump\stopped2.png
2323      Install File V:\www\images\pump\Stopped2Disabled.png to
             %MAINDIR%\www\images\pump\Stopped2Disabled.png
2324      Install File V:\www\images\pump\StoppedDisabled.png to
             %MAINDIR%\www\images\pump\StoppedDisabled.png
2325      Install File V:\www\images\pump\TotalsLost.png to
             %MAINDIR%\www\images\pump\TotalsLost.png
2326      Install File V:\www\images\pump\undefinederror.png to
             %MAINDIR%\www\images\pump\undefinederror.png
2327
2328      Install File V:\www\images\tankgauge\capacity.PNG to
             %MAINDIR%\www\images\tankgauge\capacity.PNG
2329      Install File V:\www\images\tankgauge\ullage.PNG to
             %MAINDIR%\www\images\tankgauge\ullage.PNG
2330      Install File V:\www\images\tankgauge\volume.PNG to
             %MAINDIR%\www\images\tankgauge\volume.PNG
2331      Install File V:\www\images\tankgauge\water.PNG to
             %MAINDIR%\www\images\tankgauge\water.PNG
2332
2333      Install File V:\www\reports\DailyTankReport.xsl to
             %MAINDIR%\www\reports\DailyTankReport.xsl
2334
2335      Install File V:\www\scripts\ActivationScripts.js to
             %MAINDIR%\www\scripts\ActivationScripts.js
2336      Install File V:\www\scripts\AttendantTotalsScripts.js to
             %MAINDIR%\www\scripts\AttendantTotalsScripts.js
2337      Install File V:\www\scripts\BlockingScripts.js to
             %MAINDIR%\www\scripts\BlockingScripts.js
2338      Install File V:\www\scripts\CommonScripts.js to
             %MAINDIR%\www\scripts\CommonScripts.js
```

```
2339      Install File V:\www\scripts\datepicker.js to
             %MAINDIR%\www\scripts\datepicker.js
2340      Install File V:\www\scripts\EventReportScripts.js to
             %MAINDIR%\www\scripts\EventReportScripts.js
2341      Install File V:\www\scripts\FuelReconDataScripts.js to
             %MAINDIR%\www\scripts\FuelReconDataScripts.js
2342      Install File V:\www\scripts\FuelReconMeter.js to
             %MAINDIR%\www\scripts\FuelReconMeter.js
2343      Install File V:\www\scripts\FuelTransactionScripts.js to
             %MAINDIR%\www\scripts\FuelTransactionScripts.js
2344      Install File V:\www\scripts\GradesScripts.js to
             %MAINDIR%\www\scripts\GradesScripts.js
2345      Install File V:\www\scripts\GridSelector.js to
             %MAINDIR%\www\scripts\GridSelector.js
2346      Install File V:\www\scripts\jquery.js to
             %MAINDIR%\www\scripts\jquery.js
2347      Install File V:\www\scripts\PortScripts.js to
             %MAINDIR%\www\scripts\PortScripts.js
2348      Install File V:\www\scripts\PumpScripts.js to
             %MAINDIR%\www\scripts\PumpScripts.js
2349      Install File V:\www\scripts\PumpTotalsScripts.js to
             %MAINDIR%\www\scripts\PumpTotalsScripts.js
2350      Install File V:\www\scripts\SiteConfigurationScripts.js to
             %MAINDIR%\www\scripts\SiteConfigurationScripts.js
2351      Install File V:\www\scripts\SiteModesScripts.js to
             %MAINDIR%\www\scripts\SiteModesScripts.js
2352      Install File V:\www\scripts\sitemonitor.js to
             %MAINDIR%\www\scripts\sitemonitor.js
2353      Install File V:\www\scripts\TagControllersScripts.js to
             %MAINDIR%\www\scripts\TagControllersScripts.js
2354      Install File V:\www\scripts\TankGaugeScripts.js to
             %MAINDIR%\www\scripts\TankGaugeScripts.js
2355      Install File V:\www\scripts\TankScripts.js to
             %MAINDIR%\www\scripts\TankScripts.js
2356      Install File V:\www\scripts\TankTotalsScripts.js to
             %MAINDIR%\www\scripts\TankTotalsScripts.js
2357      Install File V:\www\scripts\TerminalScripts.js to
             %MAINDIR%\www\scripts\TerminalScripts.js
2358      Install File V:\www\scripts\UsersScripts.js to
             %MAINDIR%\www\scripts\UsersScripts.js
2359      Install File V:\www\scripts\WetstockPumpData.js to
             %MAINDIR%\www\scripts\WetstockPumpData.js
2360      Install File V:\www\scripts\WetstockTankData.js to
             %MAINDIR%\www\scripts\WetstockTankData.js
2361      Install File V:\www\scripts\FuelReconDips.js to
             %MAINDIR%\www\scripts\FuelReconDips.js
2362      Install File V:\www\scripts\GradePrices.js to
             %MAINDIR%\www\scripts\GradePrices.js
2363      Install File V:\www\scripts\FuelReconMovements.js to
             %MAINDIR%\www\scripts\FuelReconMovements.js
2364      Install File V:\www\scripts\AttendantScripts.js to
             %MAINDIR%\www\scripts\AttendantScripts.js
2365
2366      Install File V:\www\favicon.ico to %MAINDIR%\www\favicon.ico
```

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2367
2368        Install File V:\www\Activate.aspx to %MAINDIR%\www\Activate.aspx
2369        Install File V:\www\Attendants.aspx to %MAINDIR%\www\Attendants.aspx
2370        Install File V:\www\AttendantTotals.aspx to
               %MAINDIR%\www\AttendantTotals.aspx
2371        Install File V:\www\Blocking.aspx to %MAINDIR%\www\Blocking.aspx
2372        Install File V:\www\BlockingStatus.aspx to
               %MAINDIR%\www\BlockingStatus.aspx
2373        Install File V:\www\Cards.aspx to %MAINDIR%\www\Cards.aspx
2374        Install File V:\www\Contacts.aspx to %MAINDIR%\www\Contacts.aspx
2375        Install File V:\www\DeliveryHistory.aspx to
               %MAINDIR%\www\DeliveryHistory.aspx
2376        Install File V:\www\Events.aspx to %MAINDIR%\www\Events.aspx
2377        Install File V:\www\Fallback.aspx to %MAINDIR%\www\Fallback.aspx
2378        Install File V:\www\FuelReconData.aspx to
               %MAINDIR%\www\FuelReconData.aspx
2379        Install File V:\www\FuelReconDips.aspx to
               %MAINDIR%\www\FuelReconDips.aspx
2380        Install File V:\www\FuelReconMeters.aspx to
               %MAINDIR%\www\FuelReconMeters.aspx
2381        Install File V:\www\FuelReconMovements.aspx to
               %MAINDIR%\www\FuelReconMovements.aspx
2382        Install File V:\www\FuelTransactionHistory.aspx to
               %MAINDIR%\www\FuelTransactionHistory.aspx
2383        Install File V:\www\GradePricesScheduled.aspx to
               %MAINDIR%\www\GradePricesScheduled.aspx
2384        Install File V:\www\GradePrices.aspx to %MAINDIR%\www\GradePrices.aspx
2385        Install File V:\www\Grades.aspx to %MAINDIR%\www\Grades.aspx
2386        Install File V:\www\Language.aspx to %MAINDIR%\www\Language.aspx
2387        Install File V:\www\Login.aspx to %MAINDIR%\www\Login.aspx
2388        Install File V:\www\Logoff.aspx to %MAINDIR%\www\Logoff.aspx
2389        Install File V:\www\MonitorState.aspx to
               %MAINDIR%\www\MonitorState.aspx
2390        Install File V:\www\Ports.aspx to %MAINDIR%\www\Ports.aspx
2391        Install File V:\www\Pumps.aspx to %MAINDIR%\www\Pumps.aspx
2392        Install File V:\www\PumpTotals.aspx to %MAINDIR%\www\PumpTotals.aspx
2393        Install File V:\www\SiteConfiguration.aspx to
               %MAINDIR%\www\SiteConfiguration.aspx
2394        Install File V:\www\SiteModes.aspx to %MAINDIR%\www\SiteModes.aspx
2395        Install File V:\www\SiteModeChange.aspx to
               %MAINDIR%\www\SiteModeChange.aspx
2396        Install File V:\www\SiteMonitor.aspx to %MAINDIR%\www\SiteMonitor.aspx
2397        Install File V:\www\SiteSettings.aspx to
               %MAINDIR%\www\SiteSettings.aspx
2398        Install File V:\www\SystemStatus.aspx to
               %MAINDIR%\www\SystemStatus.aspx
2399        Install File V:\www\Tags.aspx to %MAINDIR%\www\Tags.aspx
2400        Install File V:\www\TagControllers.aspx to
               %MAINDIR%\www\TagControllers.aspx
2401        Install File V:\www\TankGauges.aspx to %MAINDIR%\www\TankGauges.aspx
2402        Install File V:\www\TankTotals.aspx to %MAINDIR%\www\TankTotals.aspx
2403        Install File V:\www\Tanks.aspx to %MAINDIR%\www\Tanks.aspx
2404        Install File V:\www\Terminals.aspx to %MAINDIR%\www\Terminals.aspx
2405        Install File V:\www\Users.aspx to %MAINDIR%\www\Users.aspx
```

```
2406      Install File V:\www\WetstockPumpData.aspx to
              %MAINDIR%\www\WetstockPumpData.aspx
2407      Install File V:\www\WetstockTankData.aspx to
              %MAINDIR%\www\WetstockTankData.aspx
2408
2409      Rem Add firewall rules for Enabler Pump Server and EnbWeb
2410      Rem NOTE: 5.1 = Windows XP
2411      Rem NOTE: 5.2 = Windows 2003
2412      Rem NOTE: 6.0 = Windows Vista or Windows Server 2008
2413      If SILENT Equals "0" then
2414          Display Progress Message "Adding Windows Firewall Rules..."
2415      End
2416      If OPERATING_SYSTEM Greater Than or Equal "6.0" then
2417          Add "Updating Windows Advanced Firewall Rules" to INSTALL.LOG
2418          Rem New Advanced Firewall (Vista and later) - need to delete
                  previous rules to avoid duplicates.
2419          Execute netsh advfirewall firewall delete rule name="Enabler Web
                  Server" program=%MAINDIR%\bin\enbweb.exe (Wait)
2420          Add "Removed old Firewall rule for Web Server (%INSTALL_RESULT%)" to
                  INSTALL.LOG
2421          Execute netsh advfirewall firewall delete rule name="Enabler Pump
                  Server" program=%MAINDIR%\bin\psrvr4.exe (Wait)
2422          Add "Removed old Firewall rule for Pump Server (%INSTALL_RESULT%)"
                  to INSTALL.LOG
2423          Execute netsh advfirewall firewall add rule name="Enabler Web
                  Server" dir=in action=allow program=%MAINDIR%\bin\enbweb.exe e...
2424          Add "Added Firewall rule for Web Server (%INSTALL_RESULT%)" to
                  INSTALL.LOG
2425          Execute netsh advfirewall firewall add rule name="Enabler Pump
                  Server" dir=in action=allow program=%MAINDIR%\bin\psrvr4.exe e...
2426          Add "Added Firewall rule for Pump Server (%INSTALL_RESULT%)" to
                  INSTALL.LOG
2427      Else
2428          Rem Windows XP style firewall
2429          Add "Updating Windows Firewall Rules" to INSTALL.LOG
2430          Execute netsh firewall set allowedprogram
                  program=%MAINDIR%\bin\enbweb.exe name="Enabler Web Server" mod...
2431          Add "Updated Firewall rule for Web Server (%INSTALL_RESULT%)" to
                  INSTALL.LOG
2432          Execute netsh firewall set allowedprogram
                  program=%MAINDIR%\bin\psrvr4.exe name="Enabler Pump Server" mo...
2433          Add "Updated Firewall rule for Pump Server (%INSTALL_RESULT%)" to
                  INSTALL.LOG
2434      End
2435      If SILENT Equals "0" then
2436          Display Progress Message "The Enabler"
2437      End
2438
2439      Rem Obsolete or renamed files
2440      Delete File(s) %MAINDIR%\www\Welcome.aspx
2441
2442      Rem Pump Update install - to run
2443      Install File V:\update\PumpUpdate.exe to %MAINDIR%\PumpUpdate.exe
2444      Rem Blank file - is not easy to get Wise Installer to create a blank
              file.
```

```
2445        Install File V:\update\PumpUpdate.ini to %MAINDIR%\PumpUpdate.ini
2446     Else
2447        Rem Corresponding registry keys for client installs
2448        Execute %SETX_PATH% ENABLER_SERVER %SERVER_NAME% -M (Wait)
2449        Edit 4 registry keys
2450     End
2451
2452     Rem Install the DLL that contanis the message ids for the Enabler Windows
              custom log
2453     Install File V:\bin\EnablerEvent.dll to %MAINDIR%\bin\EnablerEvent.dll
2454     Rem These files are needed later so install them here
2455     Install File V:\bin\subinacl.exe to %MAINDIR%\bin\subinacl.exe
2456     Install File V:\CreateRegKeyEvent.bat to %MAINDIR%\CreateRegKeyEvent.bat
2457
2458     Add "Group Path %GROUP%" to INSTALL.LOG
2459     Add "Group Directory %GROUPDIR%" to INSTALL.LOG
2460     Add "Desktop Path %DESKTOPDIR%" to INSTALL.LOG
2461     Add "Start Menu Path %STARTMENUDIR%" to INSTALL.LOG
2462
2463     Rem Delete any Start menu links
2464     Delete File(s) %GROUP%\*
2465     Delete File(s) %GROUPDIR%\The Enabler\*
2466
2467     Rem Create shortcut to web apps
2468     If SERVER_NAME Equals "" then
2469        Create Shortcut from http://localhost:%ENBWEB_PORT% to %GROUP%\Enabler
              Web.lnk
2470        Create Shortcut from
              http://localhost:%ENBWEB_PORT%/WetstockTankData.aspx to %GROUP%\W...
2471        Create Shortcut from
              http://localhost:%ENBWEB_PORT%/GradePricesScheduled.aspx to %GROU...
2472        Create Shortcut from http://localhost:%ENBWEB_PORT%/SiteMonitor.aspx to
              %GROUP%\Site Monitor.lnk
2473     Else
2474        If CLIENTEMBEDDED Does Not Contain "A" then
2475           Rem Default Server Desktop Web Port to :8081
2476           Set Variable ENBWEB_PORT_STR to :8081
2477           Create Shortcut from
                 http://%SERVER_NAME%%ENBWEB_PORT_STR%/WetstockTankData.aspx to...
2478        Else
2479           Rem Embedded uses Default port (80) - so no port required
2480           Set Variable ENBWEB_PORT_STR to
2481        End
2482        Create Shortcut from http://%SERVER_NAME%%ENBWEB_PORT_STR% to
              %GROUP%\Enabler Web.lnk
2483        Create Shortcut from
              http://%SERVER_NAME%%ENBWEB_PORT_STR%/GradePricesScheduled.aspx t...
2484        Create Shortcut from
              http://%SERVER_NAME%%ENBWEB_PORT_STR%/SiteMonitor.aspx to %GROUP%...
2485     End
2486
2487     Rem Remove old EXE applications (if they are present)
2488     If File exists %MAINDIR%\EnbConfig.exe then
2489        Delete File(s) %MAINDIR%\EnbConfig.exe
```

```
2490        Delete File(s) %DESKTOPDIR%\Enabler Configuration.Ink
2491     End
2492     If File exists %MAINDIR%\enbmaint.exe then
2493        Delete File(s) %MAINDIR%\EnbMaint.exe
2494        Delete File(s) %DESKTOPDIR%\Enabler Management.lnk
2495     End
2496     If File exists %MAINDIR%\EnbBlockMgr.exe then
2497        Delete File(s) %MAINDIR%\EnbBlockMgr.exe
2498        Delete File(s) %DESKTOPDIR%\Enabler Block Manager.lnk
2499     End
2500     If File exists %MAINDIR%\FCMan.exe then
2501        Delete File(s) %MAINDIR%\FCMan.exe
2502     End
2503     If File exists %MAINDIR%\FuelReconReport.exe then
2504        Delete File(s) %MAINDIR%\FuelReconReport.exe
2505     End
2506     If File exists %MAINDIR%\FuelRecon.exe then
2507        Delete File(s) %MAINDIR%\FuelRecon.exe
2508        Delete File(s) %DESKTOPDIR%\Fuel Reconciliation.lnk
2509     End
2510     If File exists %MAINDIR%\wetstk.exe then
2511        Delete File(s) %MAINDIR%\wetstk.exe
2512        Delete File(s) %DESKTOPDIR%\Wetstock Maintenance.lnk
2513     End
2514
2515     Rem Create a variable to determine if the pdf reader needs associating
2516     Install File v:\Extra\PDFViewer.exe to %MAINDIR%\bin\PDFViewer.exe
2517
2518     Rem Set the SDK_OPTIONS variable
2519     Rem Set this varible Below to the applications you would like installed
            when SDK is checked,  both Client & Server versions now
2520     Rem A - MPPSim
2521     Rem B - Pumpdemo
2522     Rem C - Documents (This includes all SDK documents and sample code)
2523     If SDK Contains "A" then
2524        Set Variable SDK_OPTIONS to ABC
2525        If COMPONENTS Contains Any Letters In "B" then
2526           If ICONS Contains "B" then
2527              If OS Equals "32" then
2528                 Create Shortcut from %MAINDIR%\ExpressUpdate.exe to
                        %GROUP%\Tools\Firmware Update for Express.lnk
2529              Else
2530                 Create Shortcut from %MAINDIR%\ExpressUpdatex64.exe to
                        %GROUP%\Tools\Firmware Update for Express-x64.lnk
2531              End
2532              Create Shortcut from %MAINDIR%\PCIUpdate.exe to
                     %GROUP%\Tools\Firmware Update for PCI.lnk
2533           End
2534           If ICONS Contains "A" then
2535              If OS Equals "32" then
2536                 Create Shortcut from %MAINDIR%\ExpressUpdate.exe to
                        %DESKTOPDIR%\Firmware Update for Express.lnk
2537              Else
2538                 Create Shortcut from %MAINDIR%\ExpressUpdatex64.exe to
                        %DESKTOPDIR%\Tools\Firmware Update for Express-x64.lnk
```

```
2539                    End
2540                    Create Shortcut from %MAINDIR%\PCIUpdate.exe to
                            %DESKTOPDIR%\Firmware Update for PCI.lnk
2541            End
2542        End
2543    End
2544
2545    Rem Install the SDK applications (based on client/server install)
2546    Rem Install MPPSIM and Driver DLL
2547    If SDK_OPTIONS Contains "A" then
2548        Install File v:\MPPSim.exe to %MAINDIR%\MPPSim.exe
2549        If COMPONENTS Contains Any Letters In "B" then
2550            Install File v:\ITLMPPSim.dll to %MAINDIR%\ITLMPPSim.dll
2551        End
2552        Delete File(s) %GROUP%\MPPSim.lnk
2553        Delete File(s) %GROUP%\Pump Simulator.lnk
2554        If ICONS Contains "B" then
2555            Create Shortcut from %MAINDIR%\MPPSim.exe to %GROUP%\Pump
                    Simulator.lnk
2556        End
2557        If ICONS Contains "A" then
2558            Create Shortcut from %MAINDIR%\MPPSim.exe to %DESKTOPDIR%\Pump
                    Simulator.lnk
2559        End
2560    Else
2561        If File exists %MAINDIR%\ITLMPPSim.dll then
2562            Execute regsvr32 /u /s %MAINDIR%\ITLMPPSim.dll (Wait)
2563            Delete File(s) %MAINDIR%\ITLMPPSim.dll
2564        End
2565        If File exists %MAINDIR%\bin\ITLMPPSim.dll then
2566            Execute regsvr32 /u /s %MAINDIR%\bin\ITLMPPSim.dll (Wait)
2567            Delete File(s) %MAINDIR%\bin\ITLMPPSim.dll
2568        End
2569        If File exists %MAINDIR%\MPPSim.exe then
2570            Delete File(s) %MAINDIR%\MPPSim.exe
2571            Delete File(s) %GROUP%\MPPSim.lnk
2572            Delete File(s) %GROUP%\Pump Simulator.lnk
2573            Delete File(s) %DESKTOPDIR%\MPPSim.lnk
2574            Delete File(s) %DESKTOPDIR%\Pump Simulator.lnk
2575        End
2576    End
2577
2578    Rem Install Pumpdemo
2579    If SDK_OPTIONS Contains "B" then
2580        Install File v:\pumpdemo.exe to %MAINDIR%\pumpdemo.exe
2581        Delete File(s) %GROUP%\Pump Demo.lnk
2582        Rem Enabler 4 pump demo
2583        Install File v:\PumpDemoWPF.exe to %MAINDIR%\PumpDemoWPF.exe
2584        Install File v:\SampleCom.exe to %MAINDIR%\SampleCom.exe
2585        Rem Enabler 4 pump demo Java - including dependencies
2586        Install File v:\pumpdemo.jar to %MAINDIR%\pumpdemo.jar
2587        Install File v:\enabler-pmp-ctrl-1.0.jar to
                    %MAINDIR%\enabler-pmp-ctrl-1.0.jar
2588        Install File v:\forms-1.3.0.jar to %MAINDIR%\forms-1.3.0.jar
```

```
2589        Install File v:\glazedlists-1.8.0_java15.jar to
               %MAINDIR%\glazedlists-1.8.0_java15.jar
2590        Install File v:\icu4j-49_1.jar to %MAINDIR%\icu4j-49_1.jar
2591        Install File v:\miglayout15-swing.jar to
               %MAINDIR%\miglayout15-swing.jar
2592
2593        If ICONS Contains "B" then
2594            Create Shortcut from %MAINDIR%\pumpdemo.exe to %GROUP%\Pump Demo.lnk
2595            Create Shortcut from %MAINDIR%\PumpDemoWPF.exe to %GROUP%\Pump Demo
                   WPF.lnk
2596            Create Shortcut from %MAINDIR%\SampleCom.exe to %GROUP%\Sample
                   COM.lnk
2597            Create Shortcut from %MAINDIR%\PumpDemo.jar to %GROUP%\Pump Demo
                   (Java).lnk
2598        End
2599        If ICONS Contains "A" then
2600            Create Shortcut from %MAINDIR%\pumpdemo.exe to %DESKTOPDIR%\Pump
                   Demo.lnk
2601            Create Shortcut from %MAINDIR%\PumpDemoWPF.exe to %DESKTOPDIR%\Pump
                   Demo WPF.lnk
2602            Create Shortcut from %MAINDIR%\SampleCom.exe to %DESKTOPDIR%\Sample
                   COM.lnk
2603            Create Shortcut from %MAINDIR%\pumpdemo.jar to %DESKTOPDIR%\Pump
                   Demo (Java).lnk
2604        End
2605     Else
2606        Rem Remove PumpDemo and links if it was not selected for this install
2607        If File exists %MAINDIR%\pumpdemo.exe then
2608            Delete File(s) %MAINDIR%\pumpdemo.exe
2609            Delete File(s) %GROUP%\Pump Demo.lnk
2610            Delete File(s) %DESKTOPDIR%\Pump Demo.lnk
2611        End
2612        If File exists %MAINDIR%\PumpDemoWPF.exe then
2613            Delete File(s) %MAINDIR%\PumpDemoWPF.exe
2614            Delete File(s) %GROUP%\Pump Demo WPF.lnk
2615            Delete File(s) %DESKTOPDIR%\Pump Demo WPF.lnk
2616        End
2617        If File exists %MAINDIR%\SampleCom.exe then
2618            Delete File(s) %MAINDIR%\SampleCom.exe
2619            Delete File(s) %GROUP%\Sample COM.lnk
2620            Delete File(s) %DESKTOPDIR%\Sample COM.lnk
2621        End
2622        If File exists %MAINDIR%\pumpdemo.jar then
2623            Delete File(s) %MAINDIR%\pumpdemo.jar
2624            Delete File(s) %GROUP%\Pump Demo (Java).lnk
2625            Delete File(s) %DESKTOPDIR%\Pump Demo (Java).lnk
2626        End
2627     End
2628
2629     Rem Remove vbComOleAPI sample if it exists - this has been renamed to
            SampleCOM
2630     If File exists %MAINDIR%\vbcomapitest.exe then
2631        Delete File(s) %MAINDIR%\vbcomapitest.exe
2632        Delete File(s) %DESKTOPDIR%\Pump COM/OLE API Test.lnk
```

```
2633          Delete File(s) %GROUP%\Pump COM/OLE API Test.lnk
2634      End
2635
2636      Rem Remove Pumpdemo2.exe if it exists - this is obsolete
2637      Delete File(s) %MAINDIR%\pumpdemo2.exe
2638
2639      Rem ==============================================
2640      Rem INSTALL USER DOCUMENTATION - BOTH CLIENT AND SERVER INSTALLS GET THIS
2641      Rem ==============================================
2642      If Directory exists %INST%\Documentation then
2643          If File exists %INST%\Documentation\ENABLER Demonstration POS
                  Application Reference Manual.pdf then
2644              Copy local file from %INST%\Documentation\ENABLER Demonstration POS
                      Application Reference Manual.pdf to %MAINDIR%\Doc\ENABLER Demo...
2645              Create Shortcut from %MAINDIR%\doc\ENABLER Demonstration POS
                      Application Reference Manual.pdf to %GROUP%\Manuals\Demonstrat...
2646          End
2647
2648          If File exists %INST%\Documentation\Enabler Web Reference Manual.pdf
                  then
2649              Copy local file from %INST%\Documentation\Enabler Web Reference
                      Manual.pdf to %MAINDIR%\Doc\Enabler Web Reference Manual.pdf
2650              Create Shortcut from %MAINDIR%\doc\Enabler Web Reference Manual.pdf
                      to %GROUP%\Manuals\Web Reference Manual.lnk
2651          End
2652      Else
2653          Add "Documentation folder not found" to INSTALL.LOG
2654      End
2655
2656      Rem Install SDK Documentation
2657      If SDK_OPTIONS Contains "C" then
2658
2659          Rem ==============================================
2660          Rem INSTALL SDK DOCUMENTATION
2661          Rem ==============================================
2662          If Directory exists %INST%\SDK then
2663
2664              Rem Remove old SDK documentation
2665              Delete File(s) %MAINDIR%\SDK\
2666
2667              Rem Install the new SDK documentation
2668              Search for file %WIN%\hh.exe place in Variable MICROSOFT_HELP
2669              Add "Microsoft help location: %MICROSOFT_HELP%" to INSTALL.LOG
2670              Copy local file from %INST%\SDK\* to %MAINDIR%\SDK\
2671              Install File V:\Extra\InnovaHxReg.exe to
                      %MAINDIR%\SDK\Doc\VisualStudio\InnovaHxReg.exe
2672              If  Expression True "OS=64 And OPERATING_SYSTEM >= 6" then
2673                  Execute C:\WINDOWS\Sysnative\CMD.EXE /C
                          %MAINDIR%\SDK\Doc\VisualStudio\registerhelp2.bat (Wait)
2674                  Add "Execute path: C:\WINDOWS\Sysnative\CMD.EXE /C
                          %MAINDIR%\SDK\Doc\VisualStudio\unregisterhelp2.bat" to INST...
2675              Else
2676                  Execute CMD.EXE /C
                          %MAINDIR%\SDK\Doc\VisualStudio\registerhelp2.bat (Wait)
```

```
2677              Add "Execute path: CMD.EXE /C
                  %MAINDIR%\SDK\Doc\VisualStudio\unregisterhelp2.bat" to INST...
2678          End
2679          If ICONS Contains "B" then
2680              Delete File(s) %GROUP%\SDK\Database Dictionary.lnk
2681              Delete File(s) %GROUP%\SDK\Developers Guide.lnk
2682              Delete File(s) %GROUP%\SDK\Developers Reference.lnk
2683              Delete File(s) %GROUP%\SDK\Hardware Setup and Installation
                  Manual.lnk
2684              Delete File(s) %GROUP%\SDK\Embedded Getting Started Guide.lnk
2685              Delete File(s) %GROUP%\SDK\Site Installation Checklist.lnk
2686              Delete File(s) %GROUP%\SDK\Embedded Site Installation
                  Checklist.lnk
2687              Delete File(s) %GROUP%\SDK\Embedded REST API Reference.lnk
2688
2689              Rem SDK docs common for PC and Embedded
2690              If File exists %MAINDIR%\SDK\Doc\ActiveX\ENABLER ActiveX
                  Developers Reference.chm then
2691                  Create Shortcut from %MAINDIR%\SDK\Doc\ActiveX\ENABLER ActiveX
                      Developers Reference.chm to %GROUP%\SDK\V3 ActiveX Devel...
2692              End
2693              If File exists %MAINDIR%\SDK\Doc\Java\JavaDoc\index.html then
2694                  Create Shortcut from %MAINDIR%\SDK\Doc\Java\JavaDoc\index.html
                      to %GROUP%\SDK\Java API Reference.lnk
2695              End
2696              If File exists %MAINDIR%\SDK\Doc\ENABLER Developers Reference.chm
                  then
2697                  Create Shortcut from %MAINDIR%\SDK\Doc\ENABLER Developers
                      Reference.chm to %GROUP%\SDK\Developers Reference.lnk
2698              End
2699              If File exists %MAINDIR%\SDK\Doc\ENABLER Software Licence
                  Agreement.pdf then
2700                  Create Shortcut from %MAINDIR%\SDK\Doc\ENABLER Software
                      Licence Agreement.pdf to %GROUP%\SDK\Licence Agreement.lnk
2701              End
2702
2703              If CLIENTEMBEDDED Does Not Contain "A" then
2704                  Rem Installing SDK for PC.
2705                  If File exists %MAINDIR%\SDK\Doc\ENABLER Site Installation
                      Checklist.pdf then
2706                      Create Shortcut from %MAINDIR%\SDK\Doc\ENABLER Site
                          Installation Checklist.pdf to %GROUP%\SDK\Site Instal...
2707                  End
2708              Else
2709                  Rem Installing SDK for Embedded
2710                  If File exists %MAINDIR%\SDK\Doc\ENABLER Embedded Site
                      Installation Checklist.pdf then
2711                      Create Shortcut from %MAINDIR%\SDK\Doc\ENABLER Embedded
                          Site Installation Checklist.pdf to %GROUP%\SDK\Embedd...
2712                  End
2713                  If File exists %MAINDIR%\SDK\Doc\ENABLER Embedded Getting
                      Started Guide.pdf then
2714                      Create Shortcut from %MAINDIR%\SDK\Doc\ENABLER Embedded
                          Getting Started Guide.pdf to %GROUP%\SDK\Embedded Get...
```

```
2715                    End
2716                    If File exists %MAINDIR%\SDK\Doc\REST API Reference.chm then
2717                        Create Shortcut from %MAINDIR%\SDK\Doc\REST API
                                Reference.chm to %GROUP%\SDK\Embedded REST API Refere...
2718                    End
2719                End
2720                /* Create Shortcut from %MAINDIR%\SDK\Doc\ENABLER Configuration
                        API Reference.chm to %GROUP%\SDK\ActiveX Configuration API ...
2721            End
2722        Else
2723            Add "SDK folder not present in installer folder" to INSTALL.LOG
2724        End
2725    Else
2726        Rem Not installing SDK - remove any existing files and start menu
                links.
2727        Delete File(s) %MAINDIR%\SDK\
2728        If File or Directory doesn't exist %MAINDIR%\SDK\Samples\ then
2729            Delete File(s) %GROUP%\SDK\
2730        End
2731    End
2732
2733    Rem Remove OPT Simulator and DLL
2734    If File exists %MAINDIR%\ITLOPTSim.exe then
2735        Delete File(s) %MAINDIR%\ITLOPTSim.exe
2736        Delete File(s) %GROUP%\ITLOPTSim.lnk
2737        Delete File(s) %DESKTOPDIR%\ITLOPTSim.lnk
2738    End
2739    If File exists %MAINDIR%\ITLOPTSim.dll then
2740        Delete File(s) %MAINDIR%\ITLOPTSim.dll
2741    End
2742
2743    Rem Remove Legacy Startmenu Link
2744    Delete File(s) %GROUP%\Forecourt Manager.lnk
2745
2746    Rem Enabler v4 always removes the CLIENT version of PSRVR
2747    If File exists %MAINDIR%\psrvr.exe then
2748        Delete File(s) %MAINDIR%\psrvr.exe
2749    End
2750
2751    If COMPONENTS Contains Any Letters In "A" then
2752        If COMPONENTS Does Not Contain "B" then
2753            Rem Client Install to Enabler (Desktop or Embedded)
2754            Execute %SETX_PATH% ENABLER_SERVER %SERVER_NAME% -M (Wait)
2755        End
2756    End
2757    Rem Always install ActiveX client utility - most useful for client
            installs.
2758    Install File v:\bin\enbclient.exe to %MAINDIR%\enbclient.exe
2759    If File exists %MAINDIR%\bin\enbclient.exe then
2760        Delete File(s) %MAINDIR%\bin\enbclient.exe
2761    End
2762    Install File v:\bin\Interop.IWshRuntimeLibrary.dll to
            %MAINDIR%\Interop.IWshRuntimeLibrary.dll
2763    If File exists %MAINDIR%\bin\Interop.IWshRuntimeLibrary.dll then
```

```
2764        Delete File(s) %MAINDIR%\bin\Interop.IWshRuntimeLibrary.dll
2765     End
2766
2767     Rem Setup PDF files to link to Sumatra PDF if there is no existing reader
2768     Set Variable PDF to
2769     Get Registry Key .pdf place in Variable PDF
2770     If PDF Equals "" then
2771        Add "There is no current PDF reader - Setting up Sumatra PDF " to
               INSTALL.LOG
2772        Edit 5 registry keys
2773        Registry Key .pdf = ITLPDF.Document
2774        Add "Sumatra pdf is now default pdf reader" to INSTALL.LOG
2775     End
2776
2777     Rem ============================================
2778     Rem UPDATE SYSTEM CONFIG
2779     Rem ============================================
2780
2781     Rem All OCX/DLL/EXE files that are self-registered
2782     Self-Register OCXs/DLLs/EXEs
2783
2784     Rem Enabler v4 Configure default registry key for Client Username and
               Password
2785     If COMPONENTS Contains Any Letters In "B" then
2786        Rem SERVER INSTALLATION
2787        Edit 2 registry keys
2788     Else
2789        Rem CLIENT INSTALLATION
2790        Edit 2 registry keys
2791     End
2792
2793     Rem ============================================
2794     Rem Setup Access Permissions
2795     Rem ============================================
2796     Execute net localgroup /add EnablerAdministrators (Wait)
2797     If SILENT Equals "0" then
2798        Display Progress Message "The Enabler"
2799     End
2800
2801     Rem Create Enabler custom event log and grant access to the log
               application and evt file
2802     Execute %MAINDIR%\CreateRegKeyEvent.bat  (Wait)
2803     Rem Gives user group access to Enabler log dir and files
2804     Execute %MAINDIR%\bin\subinacl.exe /subdirectories=directoriesonly
               %MAINDIR%\log /grant=%BUILTIN_USERS_GROUP%=CRWD /pathexclude=C:\*.* ...
2805     Execute %MAINDIR%\bin\subinacl.exe /subdirectories=filesonly
               %MAINDIR%\log\*.* /grant=%BUILTIN_USERS_GROUP%=CRWD /pathexclude=C:\...
2806
2807     Set Variable LOGTIME to
2808     Get System Information into LOGTIME
2809     Add "Start of setting permissions %LOGTIME%" to INSTALL.LOG
2810
2811     If COMPONENTS Contains Any Letters In "B" then
2812        Rem Remove user group permissions from running enbkick, vsql and fcman
```

```
2813        Execute %MAINDIR%\bin\subinacl.exe /file %MAINDIR%\enbkick.exe
               /grant=%BUILTIN_USERS_GROUP%= /pathexclude=C:\*.* (Wait)
2814        Execute %MAINDIR%\bin\subinacl.exe /file %MAINDIR%\vsql.exe
               /grant=%BUILTIN_USERS_GROUP%= /pathexclude=C:\*.* (Wait)
2815        Execute %MAINDIR%\bin\subinacl.exe /file %MAINDIR%\fcman.exe
               /grant=%BUILTIN_USERS_GROUP%= /pathexclude=C:\*.* (Wait)
2816      Rem Remove Users group from sql bin dir (OSQL_PATH)
2817        Execute %MAINDIR%\bin\subinacl.exe /file "%OSQL_PATH%"
               /grant=%BUILTIN_USERS_GROUP%= /pathexclude=C:\*.* (Wait)
2818      Rem Give EnablerAdministrator group full access to osql and the psrvr
               service
2819        Execute %MAINDIR%\bin\subinacl.exe /file "%OSQL_PATH%"
               /grant=EnablerAdministrators=F /pathexclude=C:\*.* (Wait)
2820        Execute %MAINDIR%\bin\subinacl.exe /service psrvr4
               /grant=EnablerAdministrators=F /pathexclude=C:\*.* (Wait)
2821    End
2822
2823    Execute %MAINDIR%\bin\subinacl.exe /file %SYS32%\eventvwr.msc
           /grant=%BUILTIN_USERS_GROUP%=  /pathexclude=C:\*.* (Wait)
2824    Execute %MAINDIR%\bin\subinacl.exe /file %SYS32%\config\Enabler.evt
           /grant=%BUILTIN_USERS_GROUP%= /pathexclude=C:\*.* (Wait)
2825    Rem Give EnablerAdministrator group full access to log dir, event viewer
           and Enabler event log
2826    Execute %MAINDIR%\bin\subinacl.exe /subdirectories=directoriesonly
           %MAINDIR%\log /grant=EnablerAdministrators=F /pathexclude=C:\*.* (Wait)
2827    Execute %MAINDIR%\bin\subinacl.exe /subdirectories=filesonly
           %MAINDIR%\log\*.* /grant=EnablerAdministrators=F /pathexclude=C:\*.*...
2828
2829    Rem The below line was causing the permissions to be very slow.
2830    Rem Subinacl has a bug where running it on C:\Enabler causes it to serach
           all folders under C:\ and all its subfolders for folders labelled En...
2831    Rem The fix is to seperate it out and do C:\Enabler as a file which does
           require searching all of the root directory
2832    Execute %MAINDIR%\bin\subinacl.exe /subdirectories=directoriesonly
           %MAINDIR%\ /grant=EnablerAdministrators=F (Wait)
2833    Execute %MAINDIR%\bin\subinacl.exe /file %MAINDIR%
           /grant=EnablerAdministrators=F (Wait)
2834
2835    Execute %MAINDIR%\bin\subinacl.exe /subdirectories=filesonly %MAINDIR%\*.*
           /grant=EnablerAdministrators=F /pathexclude=C:\*.* (Wait)
2836    Execute %MAINDIR%\bin\subinacl.exe /file %SYS32%\eventvwr.msc
           /grant=EnablerAdministrators=E /pathexclude=C:\*.* (Wait)
2837    Execute %MAINDIR%\bin\subinacl.exe /file %SYS32%\config\Enabler.evt
           /grant=EnablerAdministrators=F /pathexclude=C:\*.* (Wait)
2838
2839    Set Variable LOGTIME to
2840    Get System Information into LOGTIME
2841    Add "End of setting permissions %LOGTIME%" to INSTALL.LOG
2842
2843    If SILENT Equals "0" then
2844        Display Progress Message "The Enabler"
2845    End
2846
2847    If COMPONENTS Contains Any Letters In "B" then
```

```
2848          Rem SERVER INSTALLATION
2849
2850          Rem We modify this component size to allow for the space needed to
                 create the EnablerDB
2851          Add "Installing or Updating EnablerDB" to INSTALL.LOG
2852
2853          Rem Register the Pump Server
2854          If SILENT Equals "0" then
2855             Display Progress Message "%APPTITLE%"
2856          End
2857          Execute %MAINDIR%\bin\psrvr4.exe /service (Wait)
2858          Execute %MAINDIR%\bin\enbweb.exe /install (Wait)
2859          Add "Update Services Start timout setting" to INSTALL.LOG
2860          Registry Key SYSTEM\CurrentControlSet\Control = 180000
2861          If SILENT Equals "0" then
2862             Display Progress Message " "
2863          End
2864
2865          Rem ===============================================
2866          Rem CONFIRM SQL SERVER RUNNING
2867          Rem ===============================================
2868          Rem NOTE: This is a copy of whats just after the database password
                 check
2869          If SQL_INSTANCE Equals "" then
2870             Add "Confirming MSSQLSERVER service is running" to INSTALL.LOG
2871             Check Service MSSQLSERVER
2872          Else
2873             Add "Confirming MSSQL$%SQL_INSTANCE% service is running" to
                    INSTALL.LOG
2874             Check Service MSSQL$%SQL_INSTANCE%
2875          End
2876          Add "SQLServer Status: %SQLSERVER_STARTED%" to INSTALL.LOG
2877          If SQLSERVER_STARTED Does Not Contain "Running" then
2878             Add "ERROR: SQLServer is not Running" to INSTALL.LOG
2879             If SILENT Equals "0" then
2880                Display Message "Installation Stopped"
2881             End
2882             Exit Installation
2883          End
2884
2885
2886          Rem Setup ODBC Data source and Windows users, info for event logs
2887          If SQL_INSTANCE Equals "" then
2888             Execute %MAINDIR%\bin\odbcnfg.exe  (Wait)
2889             If OS Equals "64" then
2890                Execute %MAINDIR%\bin\odbcnfg64.exe  (Wait)
2891             End
2892          Else
2893             Execute %MAINDIR%\bin\odbcnfg.exe /i %SQL_INSTANCE%  (Wait)
2894             If OS Equals "64" then
2895                Execute %MAINDIR%\bin\odbcnfg64.exe /i %SQL_INSTANCE%  (Wait)
2896             End
2897          End
2898
```

```
2899        Rem Run the Nightly.bat script if the user has ticked the checkbox
2900        If PRE_UPGRADE_BACKUP Contains "A" then
2901           If SILENT Equals "0" then
2902              Display Progress Message "The Enabler"
2903           End
2904           Add "A pre upgrade backup will be performed (Nightly.bat)" to
                  INSTALL.LOG
2905           Execute CMD.EXE /C %MAINDIR%\Nightly.bat %SQLQUERY% (Wait)
2906           If SILENT Equals "0" then
2907              Display Progress Message "The Enabler"
2908           End
2909        End
2910
2911        Rem Now do the EnablerDB install
2912        If SILENT Equals "0" then
2913           Display Progress Message "%APPTITLE%"
2914        End
2915
2916        Create Directory %DBDIR%
2917        Add "Passing %OSQL_PATH% to DBInstall" to INSTALL.LOG
2918        Rem We're supposed to be able to run BAT files directly, but it doesn't
                  seem to work on WinNT
2919        Execute CMD.EXE /C %MAINDIR%\DBInstall.bat "%DBDIR%" "%MAINDIR%"
                  "%MAINDIR%\install.log" "%OSQL_PATH%"  %SQLQUERY% (Wait)
2920
2921        Rem We can now check for DBINSTALL_OK and MKUPGRADE_OK files to see if
                  the db install/upgrade worked
2922        If File or Directory doesn't exist %MAINDIR%\DBINSTALL_OK then
2923           If UNATTENDED Equals "0" then
2924              Display Message "Enabler Database Install Failed"
2925           End
2926           Add "ERROR:Enabler DBInstall.BAT failed" to INSTALL.LOG
2927           Exit Installation
2928        End
2929
2930        If File or Directory doesn't exist %MAINDIR%\DBUPGRADE_OK then
2931           If UNATTENDED Equals "0" then
2932              Display Message "Enabler Database Upgrade Failed"
2933           End
2934           Add "ERROR: Enabler Database Upgrade Failed" to INSTALL.LOG
2935           Exit Installation
2936        End
2937
2938        Rem Remove autoupgrade.bat to prevent anyone manually running it later
                  on
2939        Delete File(s) %MAINDIR%\autoupgrade.bat
2940
2941        If SDK_OPTIONS Not Equal "" then
2942           Rem Install schema documentation into database
2943           Install File V:\scripts\EnablerDBdoc.sql to
                  %MAINDIR%\EnablerDBdoc.sql
2944           If SILENT Equals "0" then
2945              Display Progress Message " "
2946           End
```

```
2947          Execute %OSQL_PATH%\OSQL.EXE -b -d EnablerDB -E -S%SQLQUERY% -i
                 "%MAINDIR%\EnablerDBdoc.sql"  -o  %MAINDIR%\EnablerDBdoc.log (...
2948      End
2949
2950      If SILENT Equals "0" then
2951          Display Progress Message "%APPTITLE%"
2952      End
2953
2954      Rem Run PumpUpdate.EXE to install pump drivers and stuff.
2955      If SILENT Equals "0" then
2956          Display Progress Message "Forecourt Interface Update"
2957      End
2958      Rem For clean installs we need to pass the path to OSQL to PumpUpdate
                 but Wise doesn't seem to cope with spaces, so we put the path in ...
2959      Add "INFO: Putting OSQL path (%OSQL_PATH%) into PumpUpdate.INI" to
                 INSTALL.LOG
2960      Edit INI File %MAINDIR%\PumpUpdate.ini
2961      Add "INFO: SQL_INSTANCE variable set to '%SQL_INSTANCE%'" to
                 INSTALL.LOG
2962      If SQL_INSTANCE Equals "" then
2963          Add "INFO: Running PumpUpdate for default instance" to INSTALL.LOG
2964          Execute %MAINDIR%\PumpUpdate.exe /S /D /OSQL (Wait)
2965      Else
2966          Add "INFO: Running PumpUpdate for named instance %SQL_INSTANCE%" to
                 INSTALL.LOG
2967          Execute %MAINDIR%\PumpUpdate.exe /S /D /OSQL
                 /INSTANCE:%SQL_INSTANCE% (Wait)
2968      End
2969
2970      If SILENT Equals "0" then
2971          Display Progress Message "Forecourt Interface Drivers"
2972      End
2973      Add "Pump Update install result %INSTALL_RESULT%" to INSTALL.LOG
2974
2975      Rem Add support for EnbEvent.DLL to the registry
2976      Edit 2 registry keys
2977
2978      If SILENT Equals "0" then
2979          Display Progress Message " "
2980      End
2981
2982      Rem SDK options
2983      If SDK_OPTIONS Equals "" then
2984          Rem delete Sim, MPP driver if SDK option is not selected
2985          Install File v:\scripts\UninstallSim.sql to
                 %MAINDIR%\UninstallSim.sql
2986          Execute %OSQL_PATH%\OSQL.EXE -d EnablerDB -E -S%SQLQUERY% -i
                 "%MAINDIR%\UninstallSim.sql"  -o  %MAINDIR%\SimInstall.log
2987      Else
2988          Rem install Sim, MPP driver if SDK option is selected
2989          Install File v:\scripts\InstallSim.sql to %MAINDIR%\InstallSim.sql
2990          Execute %OSQL_PATH%\OSQL.EXE -d EnablerDB -E -S%SQLQUERY% -i
                 "%MAINDIR%\InstallSim.sql"  -o  %MAINDIR%\SimInstall.log
2991      End
```

```
2992
2993        Rem =============================================
2994        Rem Remove old registry license for v4.0 Beta customers
2995        Rem =============================================
2996        Execute %MAINDIR%\ConvertV4BetaLicense.exe /r (Wait)
2997        If INSTALL_RESULT Equals "0" then
2998           Add "v4.0 Beta registry license removed " to INSTALL.LOG
2999        End
3000        Delete File(s) %MAINDIR%\ConvertV4BetaLicense.exe
3001
3002        Rem Ok now start the Pump Server and Webhost
3003        If NOSTART Equals "0" then
3004           Start Service psrvr
3005           Start Service enbweb
3006        End
3007
3008        Rem Add some extra entries to the Wise log - so temporary or generated
              files are removed at uninstall
3009        Add "File Tree: %MAINDIR%\sleep.exe" to INSTALL.LOG
3010        Add "File Tree: %MAINDIR%\InstallUtil.InstallLog" to INSTALL.LOG
3011        Add "File Tree: %MAINDIR%\Autoupgrade.*" to INSTALL.LOG
3012        Add "File Tree: %MAINDIR%\SetVersion.*" to INSTALL.LOG
3013        Add "File Tree: %MAINDIR%\config70.log" to INSTALL.LOG
3014        Add "File Tree: %MAINDIR%\DBU*.log" to INSTALL.LOG
3015        Add "File Tree: %MAINDIR%\DBU*.sql" to INSTALL.LOG
3016        Add "File Tree: %MAINDIR%\EnablerDBdoc.log" to INSTALL.LOG
3017        Add "File Tree: %MAINDIR%\PumpUpdate.sql" to INSTALL.LOG
3018        Add "File Tree: %MAINDIR%\pumpupdate.log" to INSTALL.LOG
3019        Add "File Tree: %MAINDIR%\WISE_UPDATE.LOG" to INSTALL.LOG
3020        Add "File Tree: %MAINDIR%\enabler.log" to INSTALL.LOG
3021        Add "File Tree: %MAINDIR%\load.log" to INSTALL.LOG
3022        Add "File Tree: %MAINDIR%\*.bat" to INSTALL.LOG
3023        Add "File Tree: %MAINDIR%\*.oca" to INSTALL.LOG
3024        Add "File Tree: %MAINDIR%\*.nxe" to INSTALL.LOG
3025        Add "File Tree: %MAINDIR%\*.nei" to INSTALL.LOG
3026        Add "File Tree: %MAINDIR%\bin\*.dll" to INSTALL.LOG
3027        Add "File Tree: %MAINDIR%\*.dll" to INSTALL.LOG
3028        Add "File Tree: %MAINDIR%\*OK" to INSTALL.LOG
3029        Add "File Tree: %MAINDIR%\www\Parameters.xml" to INSTALL.LOG
3030        Add "File Tree: %MAINDIR%\PumpUpdate.log" to INSTALL.LOG
3031        Add "File Tree: %MAINDIR%\PumpUpdate.sql" to INSTALL.LOG
3032        Add "File Tree: %MAINDIR%\State\*" to INSTALL.LOG
3033        Add "File Tree: %MAINDIR%\Driver\*" to INSTALL.LOG
3034        Add "File Tree: %MAINDIR%\bin\EnbWeb.InstallLog" to INSTALL.LOG
3035
3036        Rem Add entries to the Wise log to stop and remove services
3037        Add "Execute path: %MAINDIR%\scutil.exe /STOP enbweb" to INSTALL.LOG
3038        Add "Execute path: %MAINDIR%\scutil.exe /STOP psrvr" to INSTALL.LOG
3039        Add "Execute path: %MAINDIR%\bin\psrvr4.exe /UNREGSERVER" to
              INSTALL.LOG
3040        Add "Execute path: %MAINDIR%\bin\enbweb.exe /uninstall" to INSTALL.LOG
3041
3042     Else
3043        Rem CLIENT INSTALLATION
```

```
3044
3045         Rem Need to register the Enabler COM objects
3046         If SILENT Equals "0" then
3047             Display Progress Message "%APPTITLE%"
3048         End
3049         Add "Registering Enabler objects" to INSTALL.LOG
3050         Execute regsvr32 /s %MAINDIR%\EnbSessionX2.OCX (Wait)
3051
3052         Rem Client Install to Enabler Desktop (NOT Embedded)
3053         If CLIENTEMBEDDED Does Not Contain "A" then
3054             Rem EnbClient utility to setup DCOM to use the remote server we
                     prompted for earlier
3055             Pause 2000 Milliseconds
3056             Add "Configuring DCOM" to INSTALL.LOG
3057             If SERVER_NAME Length Equal To "0" then
3058                 Add "WARNING: no server name given - setting to default value
                         'SERVER'" to INSTALL.LOG
3059                 Set Variable SERVER_NAME to SERVER
3060             End
3061
3062             Rem Setup ODBC Data source for clients too
3063             If SQL_INSTANCE Equals "" then
3064                 Execute %MAINDIR%\bin\odbcnfg.exe /s %SERVER_NAME% (Wait)
3065                 If OS Equals "64" then
3066                     Execute %MAINDIR%\bin\odbcnfg64.exe /s %SERVER_NAME% (Wait)
3067                 End
3068             Else
3069                 Execute %MAINDIR%\bin\odbcnfg.exe /s %SERVER_NAME% /i
                         %SQL_INSTANCE% (Wait)
3070                 If OS Equals "64" then
3071                     Execute %MAINDIR%\bin\odbcnfg64.exe /s %SERVER_NAME% /i
                             %SQL_INSTANCE% (Wait)
3072                 End
3073             End
3074         End
3075
3076         If SILENT Equals "0" then
3077             Display Progress Message " "
3078         End
3079
3080     End
3081
3082     Rem ==========================================
3083     Rem ADD UNINSTALL ITEMS TO THE WISE INSTALL LOG
3084     Rem ==========================================
3085
3086     Rem Uninstall the API
3087     Add "Execute path: %SYS32%\msiexec.exe /quiet /L+*
             %MAINDIR%\log\APIInstall.log /uninstall %MAINDIR%\InstallEnablerAPI....
3088
3089
3090     Rem Embed the Enabler Product Version - used to determine what version is
             installed
3091     Add "EnablerVersion: %ENB_VERSION%" to INSTALL.LOG
```

```
3092
3093    Rem The following two lines reset COMMON and MAINDIR to short filesnames.
            This is for backwards compatibility.
3094    Set Variable COMMON to %COMMON%
3095    Set Variable MAINDIR to %MAINDIR%
3096
3097    Rem Add some extra entries to the Wise log - so temporary or generated
            files are removed at uninstall
3098    Add "Execute path: %SYS32%\msiexec.exe /quiet /L+*
            %MAINDIR%\log\APIInstall.log /X %MAINDIR%\InstallEnablerAPI.msi" to ...
3099
3100    Rem Run an optional integrators sql file
3101    If COMPONENTS Contains Any Letters In "B" then
3102        Add "Checking for %INST%\ServerHook.sql  " to INSTALL.LOG
3103        If File exists %INST%\ServerHook.sql then
3104            Add "Running %INST%\ServerHook.sql  (osql %OSQL_PATH%)" to
                    INSTALL.LOG
3105            Execute %OSQL_PATH%\OSQL.EXE -b -d EnablerDB -E -S%SQLQUERY% -i
                    "%INST%\ServerHook.sql"  -o  %MAINDIR%\ServerHook.log (Wait)
3106            Add "Completed ServerHook (return code %INSTALL_RESULT% )" to
                    INSTALL.LOG
3107        End
3108        Check Service psrvr
3109    End
3110
3111    Rem Update Registry Keys for future installations
3112    Edit 3 registry keys
3113
3114
3115
3116    Rem ============================================
3117    Rem Reboot system to disable fast startup and change system power settings
3118    Rem This should be the last thing to do, so we moved the uninstall items
            before this
3119    Rem ============================================
3120
3121    Rem Only change setting for server
3122    If  Expression True "Instr(COMPONENTS,"B")" then
3123        Rem This is a server install
3124
3125        Rem Get Registry value for Fast startup
3126        Get Registry Key SYSTEM\CurrentControlSet\Control\Power place in
                Variable FAST_STARTUP
3127        Add "Fast Startup setting is: %FAST_STARTUP%" to INSTALL.LOG
3128        If FAST_STARTUP Not Equal "0" then
3129            Rem Use Powercfg to disable Fast startup. Editing of Registry does
                    NOT work for all OS
3130            Execute CMD.exe /C powercfg.exe -H off (Wait)
3131            Add "Updating Registry setting to disable Fast Startup" to
                    INSTALL.LOG
3132        End
3133
3134        Rem Force to disable ALL other sleep settings for all devices.
3135
```

```
3136        Execute CMD.exe /C powercfg.exe -change -standby-timeout-ac 0 (Wait)
3137        Execute CMD.exe /C powercfg.exe -change -standby-timeout-dc 0 (Wait)
3138        Add "Update standby TO to 0 to prevent system goes to sleep" to
                INSTALL.LOG
3139
3140        Execute CMD.exe /C powercfg.exe -change -hibernate-timeout-ac 0 (Wait)
3141        Execute CMD.exe /C powercfg.exe -change -hibernate-timeout-dc 0 (Wait)
3142        Add "Update hibernate TO to 0 to prevent system goes to hibernate" to
                INSTALL.LOG
3143     End
3144
3145     Rem Log Silent setting
3146     Add "Silent setting is %SILENT%" to INSTALL.LOG
3147
3148     Rem This Wizard Loop finalizes the install
3149     If UNATTENDED Equals "0" then
3150        Wizard Loop
3151           Custom Dialog "Finished"
3152        End
3153     End
3154     Add "Install is Finished" to INSTALL.LOG
3155
3156     Rem Add uninstall details to the registry...
3157     Edit 3 registry keys
3158     Registry Key
            Software\Microsoft\Windows\CurrentVersion\Uninstall\%APPTITLE% = %MA...
3159
3160     Rem Reboot the PC
3161     If FAST_STARTUP Not Equal "0" then
3162        If SILENT Equals "0" then
3163           Add "Rebooting system to disable fast startup" to INSTALL.LOG
3164           Reboot System
3165        Else
3166           Add "Reboot required to disable fast startup" to INSTALL.LOG
3167        End
3168        Exit Installation
3169     End
3170
3171     If SILENT Equals "1" then
3172        Rem This error return code is only for Silent Mode Install
3173        Set Variable WISE_ERROR_RTN to 0
3174     End
3175
3176     Rem Decide whether we should start things
3177     Set Variable DO_START_ACTIONS to 1
3178     If COMPONENTS Contains Any Letters In "B" then
3179        Rem For server installs we only start things if the server is running
3180        If RUNNING Does Not Contain "Running" then
3181           Set Variable DO_START_ACTIONS to 0
3182        End
3183     End
3184
3185     Rem Start things the installer asked for
3186     If DO_START_ACTIONS Equals "1" then
```

```
3187        If START_MPP Contains "A" then
3188            Execute %MAINDIR%\mppsim.exe
3189        End
3190        If START_PUMP Contains "A" then
3191            Execute %MAINDIR%\PumpDemoWPF.exe
3192        End
3193        If OPEN_WEB Contains "A" then
3194            If SERVER_NAME Equals "" then
3195                Execute CMD.EXE /C start http://localhost:%ENBWEB_PORT%
3196            Else
3197                Rem Note that this could be a PC server (port 8081), or EMB (Port
                      80)
3198                Execute CMD.EXE /C start http://%SERVER_NAME%%ENBWEB_PORT_STR%
3199            End
3200        End
3201    End
```