

## Name Changes as of WebHub v2.081

### Overview of Renamed Components

#### WebHub v2.081

TwhApplication Note: many properties were moved to subclasses, e.g. AppRoot is on pWebApp.Static.AppRoot; see whcfg\_App.pas

When initializing, first set the AppID property, then refresh, then feel free to reference any of the subclasses.

Moved to properties on app objects; use AppSettings for custom configuration

TWebActionNoSaveState  
TWebAction  
  
TWebCommandLine  
pWebCommandLine

TWebServer  
TWebResponse  
TWebInfo

TWebAction (see webLink.pas)  
TwhWebActionExTWebPage  
  
TwhConnection  
pWebConnection

TwhRequest (mostly; some properties moved to pWebApp.DynURL)  
TwhResponse  
TwhCentralInfo; reference as pWebApp CentralInfo

### WebHub: renamed properties, v2.053 to v2.081

#### Original

#### Name in WebHub v2.081

#### Type

#### Config file and section hint

(new)	(pending).IsAuthenticated	... Boolean	... published string	
(new)	(pending).ClusterID	... string	... TwhAppInfo	
(new)	(pending).Module.IsEnabled	... Boolean	... TwhCentralInfo	
(new)	(pending).Module sPanel	... Boolean	... TwhConnection	
(new)	(pending).ModuleName	... Boolean	... TwhAppInstanceCounter	
(new)	pWebApp.PageErrors	... string	... TwhRequest	
(new)	pWebApp.ForceCase	... published	... TwhResponse	
(new)	pWebApp.ServerProfileIDSecure	... TwhForceCase	... AppProperties/ForceCase	
(new)	pWebApp.ServerProfileIDStandard	... string	... AppProperties/SecureServerProfileID	
(new)	pWebApp.ConnectToHub	... string	... AppProperties/StandardServerProfileID	
(new)	pWebApp.CustomConfigFiles	... public Boolean	... AppConfig	AppConfig
(new)	pWebApp.SessionID	... AppConfig	... CustomConfigFiles section	
(new)	pWebApp.AppInfo	... published string	... published string	
(new)	pWebApp.CentralInfo	... TwhAppInfo	... TwhCentralInfo	
(new)	pWebApp.Connection	... TwhConnection	... TwhConnection	
(new)	pWebApp.InstanceCounter	... TwhAppInstanceCounter	... TwhRequest	
(new)	pWebApp.Request	... TwhRequest	... TwhResponse	
(new)	pWebApp.Response	... string	... string	
(new)	pWebApp.YesNoString	... string	... string	
				AppConfig
				Application/PageGeneration/YesNoString
				Application/PageGeneration/YesNoString

Original Name:Name in WebHub v2.081Config file and section hint

Original	Type	Config file and section hint
(new)	pWebApp.HttpServerID	published string
(new)	pWebApp.RunningAService	Boolean
(new)	pWebApp.ServerProfileID	published string
(new)	pWebApp.AdminSessionID	string
(new)	pWebApp.AdminSideDoorPageID	...
(new)	pWebApp.ExceptionPageID	...
(new)	pWebApp.MenuEnabled	Boolean
(new)	pWebApp.Modules	TwhModuleInfoList
(new)	pWebApp.ShutdownCommand	string
(new)	pWebApp.SimulatedCommandLine	string
(new)	pWebApp.SplashEnabled	Boolean
(new)	pWebApp.StartMinimized	Boolean
(new)	pWebApp.TrayIconEnabled	Boolean
(new)	pWebApp.MacroEndMarker	public string
(new)	pWebApp.AppInfo.AppGroupName	string
(new)	pWebApp.AppInfo.AppID	string
(new)	pWebApp.AppInfo.AppNickname	string
(new)	pWebApp.AppInfo.ConfigFilename	string
(new)	pWebApp.AppInfo.DeploymentExecutableFile	string
(new)	pWebApp.AppInfo.DeploymentExecutableFolder	string
(new)	pWebApp.AppInfo.ErrorLogFolder	string
(new)	pWebApp.AppInfo.InstancesDelaySeeBetween	Integer
(new)	pWebApp.AppInfo.InstancesNumToRunMax	Integer
(new)	pWebApp.AppInfo.InstancesNumToRunMin	Integer
(new)	pWebApp.AppInfo.InstancesNumToStartWith	Integer
(new)	pWebApp.AppInfo.InstancesStopWithHub	Boolean
(new)	pWebApp.AppInfo.StartAsService	Boolean
(new)	pWebApp.CentralInfo.Services	...
(new)	pWebApp.CentralInfo.DefaultShutdownComm	string
(new)	pWebApp.CentralInfo.ConfigCoverPageFolder	string
(new)	pWebApp.CentralInfo.ConfigFileSpecApplication	string
(new)	pWebApp.CentralInfo.ConfigFileSpecLicense	string
(new)	pWebApp.CentralInfo.ConfigFileSpecNetwork	string
(new)	pWebApp.CentralInfo.ConfigFileSpecServiceControl	string
(new)	pWebApp.CentralInfo.ConfigFileSpecSystemManagement	string
(new)	pWebApp.CentralInfo.GetSessionLifeMinutes	Integer
(new)	pWebApp.CentralInfo.LicenseStartsOnAt	TDateTime

Original Name:Name in WebHub v2.081Config file and section hintOriginal Name: 

<u>Original Name:</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
(new)	pWebApp.CentralInfo.LicenseStopsOnAt	... TDateTime	
(new)	pWebApp.CentralInfo.WebOpenRunners	... string	
(new)	pWebApp.DynURLConfig.Authority	... string	
(new)	pWebApp.DynURLConfig.HttpServerID	... string	
(new)	pWebApp.DynURLConfig.RunnerFilename	... string	
(new)	pWebApp.DynURLConfig.RunnerFolder	... string	
(new)	pWebApp.DynURLConfig.RunnerID	... string	
(new)	pWebApp.DynURLConfig.Scheme	... string	
(new)	pWebApp.DynURLConfig.ServerProfileID	... string	
(new)	pWebApp.DynURLConfig.URLDelimiter	... char	
(new)	pWebApp.DynURLConfig.URLRunnerSpec	... string	
(new)	pWebApp.DynURLConfig.URLUsingyo	... Boolean	
(new)	pWebApp.DynURLConfig.URLUseShortFormat	... Boolean	
(new)	pWebApp.HttpServerDetail.HttpServerID	... string	
(new)	pWebApp.HttpServerDetail.HttpServerNameSt	... string	
(new)	pWebApp.HttpServerDetail.UseShortURLForm	... Boolean	
(new)	pWebApp.HttpServerDetail.HttpServerSoftware	... string	
(new)	pWebApp.Request.AppID	... string	
(new)	pWebApp.Request.Auth	... TwhAuthentication	
(new)	pWebApp.Request.ClientCertificate	... TwhHttpClientCertificate	
(new)	pWebApp.Request.FilePath	... string	
(new)	pWebApp.Request.HttpServerID	... string	
(new)	pWebApp.Request.IsLocal	... Boolean	
(new)	pWebApp.Request.IsSecureConnection	... Boolean	
(new)	pWebApp.Request.PageID	... string	
(new)	pWebApp.Request.Path	... string	
(new)	pWebApp.Request.PathInfo	... string	
(new)	pWebApp.Request.RawURL	... string	
(new)	pWebApp.Request.SessionID	... string	
(new)	pWebApp.Request.SessionIDEx	... string	
(new)	pWebApp.Request.URL	... TWebHubUri	
(new)	pWebApp.Request.AcceptCharsets	... TWebInList	
(new)	pWebApp.Request.AcceptLanguages	... TWebInList	
(new)	pWebApp.Response.CookiesOut	... TwhCookieCollection	
(new)	pWebApp.Static.ExportAbsolutePrefix	... string	
(new)	pWebApp.Static.ExportRunnerPath	... string	

License	NetworkInfo	LocalMachine/Runners section	
(new)	NetworkInfo	ServerProfile/Authority	
(new)	NetworkInfo	ServerProfile/HttpServerID	
(new)	NetworkInfo	calculated ./ServerProfile/RunnerPath	
(new)	NetworkInfo	ServerProfile/RunnerID	
(new)	NetworkInfo	ServerProfile/Scheme	
(new)	NetworkInfo	ServerProfile[@id]	
(new)	NetworkInfo	ServerProfile/URLDelimiter	
(new)	NetworkInfo	calc or ServerProfile/URLRunnerSpec	
(new)	NetworkInfo	ServerProfile/URLUsingyo	
(new)	NetworkInfo	ServerProfile/URLUseShortFormat	
(new)	NetworkInfo	HttpServers/HttpServer[@id]	
(new)	NetworkInfo	HttpServers/HttpServer[@nameStartsWithh]	
(new)	NetworkInfo	./ServerProfile/URLUseShortFormat	
(new)	NetworkInfo		

<u>Original</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
<b>Original Name: AppDefaults</b>			
BackupOnExport	pWebApp.Static.ExportBackupGenerations	... Integer	AppConfig Application/Static/ExportBackupGenerations
DWIPRange	pWebApp.AllowedIPRange	... string	AppConfig ..DesignDefaultInterface/AllowedIPRange
DWRemotePageIDs	pWebApp.RemotePageIDs	... string	AppConfig ..Interface/RemoteAccessPages section
DWSessionNumberRange	pWebApp.AllowedSessionIDRange	... string	AppConfig ..Interface/AllowedSessionNumberRange
DWTestingServerURLPrefixMappedTo	pWebApp.TestingServerURLPrefixMappedTo	... string	AppConfig ..Interface/TestingServerURLPrefixMappedTo
NoDoPage	pWebApp.InvalidDoPageID	...	AppConfig ..StreamCatcherInterface/WebRobotIniFileSpec
WebRobotIniFileName	pWebApp.WebRobotIniFileSpec	...	Central .../WebHubApp[@appID=""]/ConfigFolder
cChunkDir	pWebApp.AppInfo.ConfigFolder	... string	Application/PageGeneration/AutoPageFooter
cChunkPageFooter	pWebApp.AutoPageFooter	... string	Application/PageGeneration/AutoPageHeader
cChunkPageHeader	pWebApp.AutoPageHeader	... string	AppConfig
cDomainId	pWebApp.CookieDomainDefault	... published string	AppConfig Application/Static/ExportFolder
cExportDir	pWebApp.Static.ExportFolder	... string	AppConfig ..PageGeneration/Syntax0100/MacroDropBegin
cMacroChunkBegin	pWebApp.MacroChunkBegin	... public string	AppConfig ..PageGeneration/Syntax0100/MacroEndBuffer
cMacroEndBuffer	pWebApp.MacroEndBuffer	... public string	AppConfig ..PageGeneration/Syntax0100/MacroPageBegin
cMacroPageBegin	pWebApp.MacroPageBegin	... public string	AppConfig ..PageGeneration/Syntax0100/MacroSectionBegin
cMacroSectionBegin	pWebApp.MacroSectionBegin	... public string	AppConfig
cPageIdBadBrowser	pWebApp.ChangedUserAgentPageID	...	AppConfig
cPageIdBadIP	pWebApp.ChangedIPPageID	...	AppConfig
cPageIdFrontDoor	pWebApp.FrontDoorPageID	...	AppConfig
cPageIdHomePage	pWebApp.HomePageID	...	AppConfig
cPageIdInvalid	pWebApp.InvalidPageID	...	AppConfig
cSessionCookieDefaultName	pWebApp.SessionCookieName	...	Application/AppProperties/SessionCookieName (obsolete).
cStop + cDimmed	...	...	AppConfig

<u>Original</u>	Name in WebHub v2.081	Type	<u>Config file and section hint</u>
Original Name: <b>AppDefaults</b>			
cjumpWithLingvo	pWebApp.UseLingvo	...	
		Boolean	
		NetworkInfo	calc
Original Name: <b>TWebCommandLine</b>			
StatusBar	pWebConnection.ComponentStatusBar	...	
Test	pWebConnection.ComponentTest	...	
UseWebHub	pWebConnection.ConnectToHub	...	
tpOptions	pWebConnection.ComponentOptions	...	
tpUpdated	pWebConnection.ComponentUpdated	...	
Original Name: <b>TWebHubInfo</b>			
WebBounce	pWebApp.CentralInfo.MaitreDList	...	
		TWebBounceList	
		Central	MaitreD/RoundRobin
Original Name: <b>TWebInfo</b>			
Status	pWebApp.CentralInfo.ComponentStatus	...	
StatusBar	pWebApp.CentralInfo.ComponentStatusBar	...	
Test	pWebApp.CentralInfo.ComponentTest	...	
WebOpenActions	pWebApp.CentralInfo.WebOpenActionsEx	...	
WebOpenActionsNoSaveState	pWebApp.CentralInfo.WebOpenActions	...	

<u>Original</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
<b>Original Name: TWebInfo</b>			
WebServers	pWebApp.CentralInfo.WebHubHttpSoftwareList	... TwhHttpServerInfoList	NetworkInfo
tpOptions	pWebApp.CentralInfo.ComponentOptions	... ...	
tpUpdated	pWebApp.CentralInfo.ComponentUpdated	... ...	
<b>Original Name: TWebOutput</b>			
(new)	pWebApp.Request.ReceivedOnAt	... TDate	
(new)	pWebApp.Request.SessionNumber	... Integer	
(new)	pWebApp.Request.URLCommand	... string	
BrowserButton	pWebApp.Response.GUITResponseButton	...	
BrowserLink	pWebApp.Response.GUITResponseBrowser	...	
HTTPColon	pWebApp.HttpServerDetail.SendHttpColon	... Boolean	HttpServers/HttpServer[@sendHttpColon]
HTTPUpper	pWebApp.HttpServerDetail.HttpForceCase	... TwhForceCase	HttpServers/HttpServer[@httpForceCase]
HTTPPmaj	pWebApp.Response.HttpMajorVersion	... Byte	
HTTPPmin	pWebApp.Response.HttpMinorVersion	... Byte	
MemoButton	pWebApp.Response.GUIResponseMemoButton	...	
OutputFile	pWebApp.Response.ResponseFileSpec	... public	
OutputMemo	pWebApp.Response.GUIResponseMemo	...	
Prologue	pWebApp.Response.PrologueMode	...	
ShowOutput	pWebApp.Response.GUIResponseTarget	...	
StatusBar	pWebApp.Response.ComponentStatusBar	...	
Test	pWebApp.Response.ComponentTest	...	
UseHTTPHeader	pWebApp.HttpServerDetail.SendHttpVersion	... Boolean	NetworkInfo
			HttpServers/HttpServer[@sendHttpVersion]

Original                    Name in WebHub v2.081                    Type                    Config file and section hint

Original Name: <b>TWebOutput</b>	
tpOptions	pWebApp.Response.ComponentOptions ...
tpUpdated	pWebApp.Response.ComponentUpdated ...

Original Name: **TWebPage**

PageCost	TwhPage(pWebApp.WebPage).TotalPageCost ...
Page Count	TwhPage(pWebApp.WebPage).TotalPageCount ...
PageIDUpper	TwhPage(pWebApp.WebPage).PageIDLower ...
PageLast	TwhPage(pWebApp.WebPage).TotalPageLast ...
PageTime	TwhPage(pWebApp.WebPage).TotalPageTime ...
StatusBar	TwhPage(pWebApp.WebPage).ComponentStat ...
Test	TwhPage(pWebApp.WebPage).ComponentTest ...
TimePage	TwhPage(pWebApp.WebPage).PageTimerActive ... Boolean
tpOptions	TwhPage(pWebApp.WebPage).ComponentOp ...
tpUpdated	TwhPage(pWebApp.WebPage).ComponentUpd ... Boolean

Original Name: **TWebServer**

AcceptValues	pWebApp.Request.AcceptTypes ...
CGIAuthenticatedPassword	pWebApp.Request.AuthenticatedPassword ...
CGIAuthenticatedUsername	pWebApp.Request.AuthenticatedUsername ...
CGIAuthenticationMethod	pWebApp.Request.AuthenticationMethod ...

<u>Original</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
Original Name: <b>TWebServer</b>			
CGIAuthenticationRealm	pWebApp.Request.AuthenticationRealm	...	
CGIContentLength	pWebApp.Request.ContentLength	... Integer	
CGIContentType	pWebApp.Request.ContentType	...	
CGIExecutablePath	pWebApp.Request.ExecutablePath	...	
CGIImagePath	pWebApp.Request.PhysicalPath	...	
CGIQueryString	pWebApp.Request.QueryString	...	
CGIReferer	pWebApp.Request.Referer	... TwhURI	
CGIRemoteAddress	pWebApp.Request.RemoteAddress	...	
CGIRemoteHost	pWebApp.Request.RemoteHost	...	
CGIRequestMethod	pWebApp.Request.RequestMethod	...	
CGIRequestProtocol	pWebApp.Request.HttpVersion	... string	
CGIServerAdmin	pWebApp.HttpServerDetail.HttpServerAdmin	... string	
CGIServerName	pWebApp.Request.HostName	... string	
CGIServerPort	pWebApp.Request.Port	...	
CGIServerSoftware	pWebApp.Request.HttpServerSoftwareName	... string	
CGIUserAgent	pWebApp.Request.UserAgent	...	
CGIVersion	pWebApp.HttpServerDetail.CgiVersion	... string	
CgiAddress	pWebApp.DynURL.cgiAddress	... public	
CgiValues	pWebApp.Request.ServerVariables	...	
Cookies	pWebApp.Request.CookiesIn	... TwhCookieCollection	
ExcludeNameStem		... string	
ExtraHeaders	pWebApp.Request.Headers	...	
FormLiterals	pWebApp.Request.FormData	...	

<u>Original</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
Original Name: <b>TWebServer</b>			
HTTP	(pending).Port	... Integer	
HTTPS	(pending).PortSSL	... Integer	
InputMemo	pWebApp.Request.GUIRequestMemo	...	
ShowInput	pWebApp.Request.GUIShowRequest		
StatusBar	pWebApp.Request.ComponentStatusBar	...	
Test	pWebApp.Request.ComponentTest	...	
Time	pWebApp.CentralInfo.WebTimeLocal	...	
WebTime	pWebApp.CentralInfo.WebTimeGMT	...	
cgiSOAPRequest	pWebApp.Request.SOAPRequest	...	
dbFields	pWebApp.Request.DbFields	...	
dbMemos	pWebApp.Request.DbMemos	...	
tpOptions	pWebApp.Request.ComponentOptions	...	
tpUpdated	pWebApp.Request.ComponentUpdated	...	
Original Name: <b>TWhSession</b>			
BrowserID	pWebApp.Session.UserAgentID	...	
Checked	pWebApp.Session.BoolVars	...	
Literals	pWebApp.Session.StringVars	...	
Locals	pWebApp.Session.LocalVars	...	
Pending	pWebApp.Session.BoolVarsPending	...	
PriorAppId	pWebApp.Session.PriorAppID	... string	
PriorAppPage	pWebApp.Session.PriorAppIDPageID	... string	

<u>Original</u>	Name in WebHub v2.081	Type	<u>Config file and section</u>	<u>hint</u>
Original Name: <b>TWhSession</b>				
PriorPageId	pWebApp.Session.PriorPageID	... string		
PubChecked	pWebApp.Session.BoolVarsPub	...		
PubLiterals	pWebApp.Session.StringVarsPub	...		
SessionAverageInterval	pWebApp.Session.SessionAverageIntervalMS	...		
SessionCreated	pWebApp.Session.SessionCreatedOnAt	... TDateTime		
SessionElapsed	pWebApp.Session.SessionElapsedSec	... Longint		
SessionLastActivated	pWebApp.Session.SessionLastActivatedOnAt	... TDateTime		
SessionReferer	pWebApp.Session.SessionFirstReferer	... string		
SessionRemoteAddress	pWebApp.Session.SessionFirstIP	... string		
TextAreas	pWebApp.Session.TxtVars	...		
tpUpdated	pWebApp.Session.ComponentUpdated	...		
Original Name: <b>ThtWebApp</b>				
AppID	pWebApp.CentralInfo.LicenseIsEvaluation	... Boolean		
AppInstID	pWebApp.CentralInfo.LicenseIsLite	... Boolean		
Builts	pWebApp.AppProcessID	...		
BuiltsEnabled	pWebApp.BuiltInPagesEnabled	... Boolean		
CGIUseHTTP	pWebApp.UseScheme	... Boolean		
CgiApp	pWebApp.cgiApp	... published		
CgiCaller	pWebApp.cgiCaller	... published		

Name in WebHub v2.081OriginalOriginal Name: **ThtWebApp**

	<u>Name in WebHub v2.081</u>	Type	<u>Config file and section hint</u>
CgiExe	(obsolete).cgiExe	... public	
CgiHTTP	pWebApp.cgiHTTP	... public	
CgiHideAppInstID	pWebApp.HideAppProcessID	... Boolean	./AppProperties/DynURLs/HideAppInstID
CgiUseAppId	pWebApp.UseAppID	... Boolean	./AppProperties/DynURLs/UseAppID
CgiUseAppInstID	pWebApp.UseAppProcessID	... Boolean	./AppProperties/DynURLs/UseAppInstID
CgiUseFilter	pWebApp.UseShortFormat	... Boolean	ServerProfile/URLUseShortFormat
CheckBrowser	pWebApp.CheckUserAgent	...	
Command	pWebApp.CommandRemaining	...	
ConfigFileName	pWebApp.ConfigFileSpec	... string	
Errors	pWebApp.RefreshErrors	... published	
ExpireMode	pWebApp.AutoExpirationFlag	...	
ExportURL	pWebApp.Static.ExportURLPrefix	... string	Application/Static/ExportURLPrefix
Files	pWebApp.TekoFiles	...	Application/WhitekoFiles section
HubLicensee	pWebApp.CentralInfo.Licensee	...	License
HubSerialNo	pWebApp.CentralInfo.LicenseSerialNo	...	License
MacroCost	pWebApp.TotalMacroCost	...	
MacroErrorShow	pWebApp.ErrorAlerts	... TwhErrorAlertSet	Application/ErrorAlerts section
Media	pWebApp.MediaSources	...	Application/MediaSources
NewSessionUrl	pWebApp.HomeBlankSession	... string	
PageCost	pWebApp.TotalPageCost	...	
PageCount	pWebApp.TotalPageCount	...	
PagesPreCreate	pWebApp.PreCreatePageObjects	... Boolean	
RandomSession	pWebApp.SessionIDEx	... published string	

<u>Original</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
Original Name: <b>ThtWebApp</b>			
SequenceButtons	pWebApp.Up	... AppConfig	.PageGeneration/Sequencing section
SessionInactive	pWebApp.TimeSessionInactiveMS	... Integer	
StatusBar	pWebApp.ComponentStatusBar	... ...	
Test	pWebApp.ComponentTest	... ...	
TheAppID	pWebApp.AppID	... ...	
URLDivider	pWebApp.Delimiter	... string	NetworkInfo calc
WebSession	pWebApp.Session	... TwhSession	
Where	pWebApp.Current	... string	
tpOptions	pWebApp.ComponentOptions	... ...	
tpUpdated	pWebApp.ComponentUpdated	... ...	
Original Name: <b>TtpAppRole</b>			
InitialInstance	.InstanceSequence	... Integer	
Instances	.InstanceCount	... Integer	
Original Name: <b>WebDefault</b>			
Digits	pWebApp.CentralInfo.SessionDigits	... Integer	Central Sessions/SessionDigits
IniFileName	pWebApp.CentralInfo.ConfigFilespecCentral	... string	
cDefaultApp	pWebApp.CentralInfo.DefaultAppID	... string	Central HubProcess/DefaultAppID
cDefaultHubApp	pWebApp.CentralInfo.HubAppID	... string	Central HubProcess/HubAppID

<u>Original</u>	<u>Name in WebHub v2.081</u>	<u>Type</u>	<u>Config file and section hint</u>
Original Name: <b>WebDefault</b>			
cDefaultRunner	pWebApp.Static.ExportRunner	... string	NetworkInfo
cSessionsDebug	.SessionDebug	... Boolean	Central
cSessionsDir	pWebApp.CentralInfo.SessionFolder	... string	Central
cSessionsLog	.SessionDebugLogFile	... string	Central
cSessionsMask	pWebApp.CentralInfo.SessionFileMask	... string	Central
cSweepdelay	pWebApp.CentralInfo.SweepIntervalMS	... Integer	Central

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### Resources to help with upgrading existing projects

1. FuzRegex search and replace utility at [www.fuzregex.com](http://www.fuzregex.com). Scripts for upgrading \*.whiteko files and Delphi projects are in [www.fuzregex.com/download/share](http://www.fuzregex.com/download/share) area. Using this tool will save you hours and take care of about 98% of the conversion process for you.. Contact techsupport @ href.com for an unlock code.
2. WHZMConverter.exe (wizard) converts INI configuration files to XML format. If your application INI file is more than 5 lines long, use this tool! Customers will find it on fp.
3. [www.href.com/listserv](http://www.href.com/listserv) for free support via community
4. email techsupport @ href.com for paid support contract; first two hours free for long-term customers upgrading to latest release
5. [www.href.com/pub/relnotes/](http://www.href.com/pub/relnotes/) always has the release note details for specific builds. Note this is searchable via google, example "pWebApp .site:href.com"