KMSYS
W O R L D W I D E , I N C

HGS XYZ Web Client
(often referred to as, "QPlex T27 Client" or "QPlex UTS Client")

File Distribution and Start-up

Note: This document is to be used to install either HGS T27 Client or HGS UTS Client. Where "XYZ" references are made, substitute "T27" or "UTS", as appropriate.

Two installations must take place on the web server to which the users will have browse access. These installations can be performed in any order, but for this documentation, it is assumed that you run the AppDep installation first, followed by the HGSXYZClient installation.

Installing AppDep (Application Deployment System)

1) AppDep can be used to web-launch many of the KMSYS Worldwide products from just one installation, so it has been kept generic.

   When installing AppDep, we highly recommend that you install into the default location; however, this procedure allows for implementation using an alternate location.

2) On your web server, run the AppDep.exe. This program will, by default, install into your web server root at "<drive>:\inetpub\wwwroot\" with a subdirectory of "AppDep". You may select a different directory, but that will require more changes when configuring the product to use this application.

Installing HGSXYZClient

1) On your web server, run the installation executable file called, "HGSXYZClient.exe". This installation will do the following:

   a) Create a new directory called "HGSXYZClient"
   b) Install required files on web server
   c) Create two subdirectories (HGSXYZClient and CGIEXE)

2) The default location for the installation is the web server root at "<drive>:\inetpub\wwwroot\HGSXYZClient\".

3) If you choose a directory outside of the default listed above, you must make a change to the file called "Configuration.xml" that is located in the "AppDep" directory. In that file, you will see a "<RelativeURL>" tag that points to the default directory for the executables and DLLs. This path must be valid and match the path to the "HGSXYZClient" subdirectory.

4) In the "HGSXYZClient" directory, the "Parameters.htm" must be modified. This modification is done from the Web Client Administrator's computer or workstation. The installation directory will have an executable called "QlexXYZAdmin.exe". Running this file will allow you to create all the parameters needed for the Web Client installation. Once the administrator has generated these parameters, they can be copied into the "Parameters.htm" file on the web server.

   Note: Please see "Web Client Configuration Parameters," below.

5) To launch and run, the user should navigate their browser to the web server and the "launch.asp" provided in the "AppDep" directory. By default, this file is designed to handle ALL KMSYS Worldwide products that can be web-launched. To specify just your installation, navigate to the following:

> http://<YourServer>/AppDep/launch.asp?HGSXYZClient

The "launch.asp" can be modified as needed for your site, but there are certain elements that must remain. For more information on modifications to this launch page, see the "Overview and Configuration of the Application Launch Page" in the "Application Deployment System Installation and Deployment Guide".

Web Client Configuration Parameters

With the exception of the Open Id settings (OpenIdCount, OpenIds*n*, all parameters are optional.

In the table below, the Parameter (T)ype is (B)oolean , (I)nteger or (S)tring. Parameters exclusive to a particular type of (E)mulation are either (U)TS for OS 2200 or (T)27 for MCP. Color shadings in the table are used to separate groups of parameters dependent upon counts.

Parameter	T	E	Default Value	Description
The following parameters occur only once:				
HostGatewayType	I		1	Always set to 1 unless otherwise instructed by KMSYS.
ApplicationTitle	S		→	Main window title. Default is "QPlex UTS Client"
AllowUserConfig	B		True	Is user allowed to configure client? True of False.
AllowMacroRecord	B		True	Is user allowed to record macros? True of False.
AllowMacroRun	B		True	Is user allowed to run macros? True or False.
TraceOption	I		0	Screen level trace desired? 0 = None 1 = To Window 2 = To File 3 = To Both
TransportTrace	B		False	Take a transport trace? True or False.
LanguageType	I		0	Language type character set: 0 = Latin (US, UK, Europe) Others implemented in future
Pages	I	U	1	Number of UTS screen pages, 1 to 9. Note: T27 defaults to 9 pages.
ScreenRows	I		24	Number of rows for the Web client screens/environments. This parameter must be set before the session is opened.
ScreenColumns	I		80	Number of columns for the Web client screens/environments. This parameter must be set before the session is opened.
AutoScaleMode	I		2	Type of font scaling required: 0 = None 1 = Size screen to font size 2 = Size font to fill screen
AutoReopen	B		False	Should screens or environments be reopened upon disconnect by host? True or False.
Color	S		*	Color parameters.
ScreenFont	S		*	Font parameters.

Parameter	T	E	Default Value	Description
PrintTimeOut	I	U	15	Printer timeout in seconds: -1 (or any negative value) = No timeout, 0 = Timeout immediately after printing, n (any positive number) = Timeout n seconds after printing.
ShowMaximized	B		False	Should screen frame be shown maximized? True or False.
UTS	S	U	*	UTS settings parameters.
VOpts	S	T	*	T27 video settings parameters.
DCOpts	S	T	*	T27 DataComm settings parameters.
KBOpts	S	T	*	T27 keyboard setting parameters.
OpenIdCount	I		0	Number of screens or environment available for this session.
This set of parameters occurs for each OpenId (count specified by OpenIdCount):				
OpenFlags$n$	B		True	Should screen or environment be opened on start? True or False. If False, a screen tab will be visible but no connection to the host will be made.
NoSceens$n$	B	U	False	Reserve OpenIds$n$ (see below) for $$OPENs? An OpenIds$n$ with a corresponding NoScreens$n$ set to True will not have a screen frame created, but the open ids may be utilized on a $$OPEN from any screen. The corresponding OpenIds$n$ value is simply added to a list of available open ids that the user may access.
OpenIds$n$	S			An Open Id string as configured in the HGS server. At least one open id is required. The entry will cause a screen tab to appear in the client display (see the NoScreens$n$ exception, above). There must be at least one NoScreens$n$ parameter with a value of False; in other words, at least one screen frame must be created. That screen will initially open ONLY to its specified open id. The user may subsequently $$OPEN to any OpenIds$n$ value, not just those with a corresponding False value for NoScreens$n$. For each OpenIdn parameter specified, there must be corresponding StationNames$n$, IPAddresses$n$ and IPPorts$n$ parameter. The value of this parameter is the name of the open id configured on the HGS server to which the Web Client should open.

Parameter	T	E	Default Value	Description
SITAOpenIds$n$	B	U	False	Open Id that must use the Special SITA Gabriel Handling option. Any value specified on a SITAOpenIds$n$ parameter must also appear on the corresponding OpenIds$n$ parameter.
StationNames$n$	S			Station name string. The station name must be unique to the host for which it is destined to connect. In other words, if a USER01 attempts to connect to a host and a USER01 is already connected, the second attempt to connect with the identical station name will fail with a socket error or no responce.

If station names are NOT specified, Host Gateway Server (HGS) will assign them. |
| TerminalTypes$n$ | S | | UTS60 | Terminal type string. Valid types are:

UTS20   (UTS only)
UTS40   (UTS only)
UTS60   (UTS only)
TERMINAL (T27 only)
PRINTER   (T27 only) |
| IPAddresses$n$ | S | | | IP Address string.

The entry _must_ be the IP address or name of the system that is running as an HGS server. At least one IP Address is required. |
| IPPorts$n$ | I | | 102 | IP Port integer. The value of this parameter is the TCP port number on which the HGS server is configured to accept connections. For T27, 23 is the usual setting. For T27 SSL connections, the normal setting is 992. For UTS, 102 is the usual setting. For UTS SSL connections, the normal setting is 3782. At least one IP Address is required. |
| HGSSecurityFlags$n$ | I | | 0 | What communications security is required?

0 = None
1 = Authenticate
3 = Authenticate and encrypted |

Parameter	T	E	Default Value	Description
InitialMacros*n*	S		*†	Macro name to be run when a screen or environment is first opened. Any value specified on an InitialMacros*n* parameter must also appear within the corresponding Macros*n* parameter. The initial macro may be either downloaded from the product's parameters page (see Macros*n*, below) or run from a macro developed by the end user.
SignOffMacros*n*	S		*†	Macro name to be run when the screen of environment is closed. Any value specified on an SignOffMacros*n* parameter must also appear within the corresponding Macros*n* parameter.
KeyCount	I		0	Number of preset custom key mappings to be added.
The following parameter occurs once for each custom key mapping.				
Keys*n*	S		*†	A string containing custom key mapping parameters. *n* is a unique number in the range 1 through 99.
MacroCount	I		0	Number of pre-set macros to be added.
The following parameter occurs once for each macro.				
Macros*n*	S		*†	A string containing macro parameters.
Printer1	S	U	*†	A string containing parameters for Printer1 (DID 1).
PXLate1Cnt	I	U	0	Number of print character translations for Printer1
The following parameter occurs once for each character translation set.				
PXLate1*n*	S	U	*†	A string containing one character translation.
Printer2	S	U	*†	A string containing parameters for Printer1 (DID 2).
PXLate2Cnt	I	U	0	Number of print character translations for Printer2
The following parameter occurs once for each character translation set.				
PXLate2*n*	S	U	*†	A string containing one character translation.
Printer3	S	U	*†	A string containing parameters for Printer1 (DID 3).
PXLate3Cnt	I	U	0	Number of print character translations for Printer3
The following parameter occurs once for each character translation set.				
PXLate3*n*	S	U	*†	A string containing one character translation.

Note: For repeating tags, *n* is always started at 0 (zero).

* Indicates parameter strings that are automatically generated by the Configuration Administrator program for subsequent pasting into the customer's parameter file.

† All printer settings, assigned macros and configured keyboards are the same for all Web session screens; that is, you cannot configure different printers, macros or key mappings for individual screens.