

ITS System Templates



HELP.BCFESITSTEMP

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Icons

Icon	Meaning
	Caution
	Example
	Note
	Recommendation
	Syntax
	Tip

Contents

ITS System Templates.....	5
ITS System Templates	6
ITS System Templates and Runtime Mode.....	7
Language Dependency	9
Service Dependency	10
Specifying the Runtime Mode.....	11
Understanding Lookup Order	12
Directory Lookup	13
NLS Lookup.....	14
Compatibility.....	15
List of ITS System Templates	16

ITS System Templates

ITS System Templates

The Internet Transaction Server (ITS) uses system templates to send various administrative messages to clients requesting specific ITS services, and to insert runtime information (such as service parameters) dynamically.

Examples of messages that may be sent are runtime error messages, logon pages and end-of-session pages. Each message is stored in a raw version (the system template). At runtime, the HTML^{Business} interpreter expands the template by appending a default head and tail, which are themselves templates.

For further information, see:

[ITS System Templates and Runtime Mode \[Page 7\]](#)

[Language Dependency \[Page 9\]](#)

[Service Dependency \[Page 10\]](#)

[Specifying the Runtime Mode \[Page 11\]](#)

[Understanding Lookup Order \[Page 12\]](#)

[Compatibility \[Page 15\]](#)

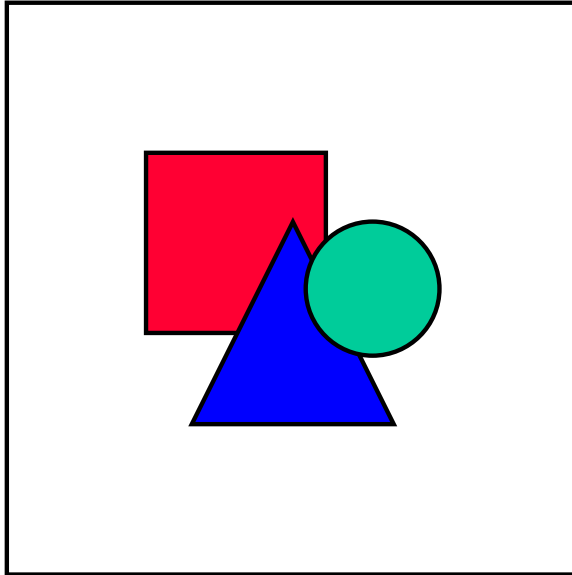
[List of ITS System Templates \[Page 16\]](#)

ITS System Templates and Runtime Mode

The Internet Transaction Server (ITS) supports two runtime modes, which handle ITS system templates differently:

- Development mode (DM)

The contents of templates in development mode are intended for developers who need detailed information about problems that occur in order to find solutions. These system messages are useful for developers, but inappropriate for customers.

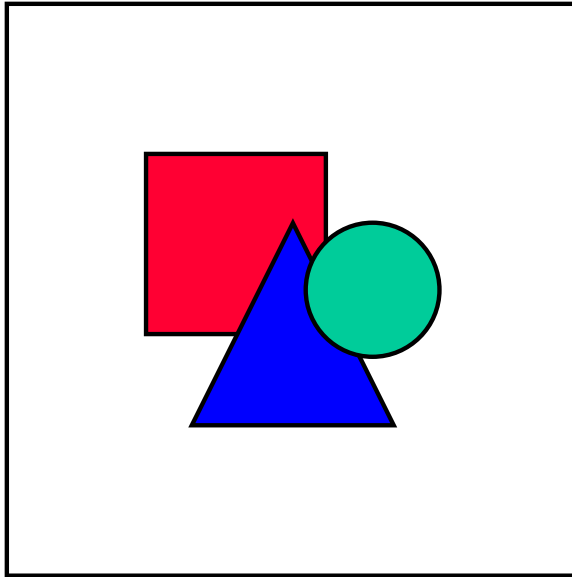


Customers must **not** modify development mode system templates, because they are essential for the proper operation of the ITS.

- Production mode (PM)

Clients accessing a site at a live ITS installation usually need more generic messages when an error occurs. To generate these messages, templates defined in development mode can be overloaded in production mode. For example, if your R/3 system is currently inaccessible due to database maintenance, you might not want to return a "can't connect to R/3 system" error message. Instead, a "service currently unavailable, please try again later" message would be more appropriate.

ITS System Templates and Runtime Mode



Production mode system templates are intended for customer modification and are therefore not delivered as standard by SAP.

- Other modes
Other modes are possible, but not currently used.

Language Dependency

The Internet Transaction Server (ITS) supports all national language support (NLS) methods available for system templates. This means language-specific as well as language-independent templates and resource files.

Whenever a system template comes in the context of a certain language, the ITS tries to return it in the appropriate language. If this is not possible, the English version of the template is used.

Service Dependency

Service Dependency

The Internet Transaction Server (ITS) supports service-dependent system templates.

This means that any system template can be overloaded for a certain service. This is especially useful with logon pages, which you can now adapt to the look and feel of the rest of your service.

If a system template is overloaded for a service, its retrieval depends on the currently active theme. (The active theme is specified by the **~theme** parameter in your service file.)

Specifying the Runtime Mode

The current runtime mode is defined by an entry, which is usually placed in the global service file, so that the entry is valid for the whole site. However, it can also be overloaded by placing it in a service-specific service file. In this case, the mode is valid only when the relevant service is running.

The name of the service parameter for the runtime mode is **~runtimeMode**.

The currently supported values are:

- DM (development mode)
- PM (production mode)

Other values can be defined, but they cannot be longer than two characters. This length restriction is important for integration into R/3's Change and Transport System.

Understanding Lookup Order

There are two different ways that system messages can be looked up.

- Directory lookup

The Internet Transaction Server (ITS) follows a certain search order when looking for system messages on the ITS server.

See [Directory Lookup \[Page 13\]](#)

- National language support (NLS) lookup

Once a system message is found, the ITS tries to apply language resource files in a specify order.

See [NLS Lookup \[Page 14\]](#)

Directory Lookup

If a system message needs to be returned, the search order used by the Internet Transaction Server (ITS) for a specific message is as shown in the steps below. The first message found that matches the search criteria is used.

1. Retrieve the template from the service-specific template directory:

The current theme is used for the lookup. For example, if the current settings are **~service=VW01**, **~theme=99**, the following directory will be scanned for the file:

...\<virtual ITS>\Templates\VW01\99

2. If the runtime mode is **not** development mode (that is, if **~runtimeMode != DM**), retrieve the template from the system template directory for the specified runtime mode.

If the current setting is **~runtimeMode=PM**, the following directory is scanned for the file:

...\<virtual ITS>\Templates\System\PM

3. Scan the system template directory for development mode, regardless of which runtime mode is currently active. The directory scanned is:

...\<virtual ITS>\Templates\System\DM

4. Scan the system template directory directly. In this case, the directory scanned is:

...\<virtual ITS>\Templates\System

5. If the message template is still not found, a static error message is issued, stating that the template is missing. (However, this should never happen!)

NLS Lookup

NLS Lookup

The lookup order for a national language support (NLS) method is as follows:

1. Use a language-dependent system template, if available:
These templates contain a language extension as part of the filename, for example: **login_d.html**.
2. Use a language-independent system template, together with a resource file, if available:
These templates have no language extensions (e.g. **login.html**) and a resource file is available. The resource file is **system.srvc** in the system template directory, or **<service>.srvc** if in the template directory for the service <service>.
3. Use a language-independent system template without a resource file:
This is the case for all templates without a language extension and for which there is no resource file for the current language.

In contrast to the service-specific templates, the NLS support method can be different for system templates. That is, there can be templates using resource files to support different languages, as well as templates that are completely language-independent.

Compatibility

The runtime mode is internally implemented as a special theme, using only two-character mode IDs. As a result, no conflicts arise with the SAP@Web Studio or the integration of ITS into the R/3 Change and Transport System.

List of ITS System Templates

List of ITS System Templates

The currently defined system templates are:

ABAPDebugger.html
CantConnect.html
CantCreateSession.html
CantInterpret.html
CantLogin.html
CantSync.html
CantUpdateSession.html
CmdDiagnostics.html
CmdDiagnosticsAccessDenied.html
CmdDiagnosticsInvalidPassword.html
CmdDiagnosticsLogProblem.html
CmdInvalidCommand.html
CmdModeDisabled.html
CmdParameterMissing.html
CommandConfirmation.html
CommandExecFailed.html
CreateSessionFailed.html
EndOfSession.html
FieldDump.html
Head.html
HttpInRequest.html
InternalError.html
InvalidDynNr.html
InvalidFName.html
InvalidFrameName.html
InvalidFrameNo.html
InvalidService.html
InvalidSession.html
InvalidTcode.html
Login.html
LostConnection.html
NlsMethodError.html
NoDynproInfo.html
NoResyncPermitted.html
NoService.html
PopupWindow.html
ShortDump.html
tail.htmlTemplNotFound.html
UnknownConnectMethod.html
VersionExpired.html
WebRFCConnectError.html
WebRFCConnectErrorDetailed.html
WebRFCException.html
WebRFCNoDataError.html
WebRFCRequestError.html
WebRFCRequestErrorDetailed.html
WebRFCSystemException.html
WebRFCTimeoutError.html

WorkerList.html
XGatConnectFailed.html
XGatDisconnectFailed.html
XGatHandleReqFailed.html
XGatHandleRespFailed.html