305
WPG_DOCLOAD

The `WPG_DOCLOAD` package provides an interface to download files, `BLOB`s and `BFILE`s.

> **✎ See Also:**
>
> For more information about implementation of this package:
>
> - *Oracle Fusion Middleware Administrator's Guide for Oracle HTTP Server*
> - *Oracle Fusion Middleware User's Guide for mod_plsql*

The chapter contains the following topics:

- Constants
- Summary of WPG_DOCLOAD Subprograms

WPG_DOCLOAD Constants

`WPG_DOCLOAD` defines several constants to use when specifying parameter values.

The `WPG_DOCLOAD` constants are listed below:

- NAME_COL_LEN
- MIMET_COL_LEN
- MAX_DOCTABLE_NAME_LEN

NAME_COL_LEN

The `NAME` column in your document table must be the same as the value of `name_col_len`.

```
name_col_len CONSTANT pls_integer := 64;
```

MIMET_COL_LEN

The `MIME_TYPE` column in your document table must be the same as the value of `mimet_col_len`.

```
mimet_col_len CONSTANT pls_integer := 48;
```

MAX_DOCTABLE_NAME_LEN

The name length of your document table must be less than `max_doctable_name_len`.

```
max_doctable_name_len CONSTANT pls_integer := 256;
```

Summary of WPG_DOCLOAD Subprograms

The WPG_DOCLOAD package uses one subprogram, the `DOWNLOAD_FILE` procedure.

Table 305-1   WPG_DOCLOAD Package Subprograms

Subprogram	Description
DOWNLOAD_FILE Procedures	Downloads files, `BLOBS` and `BFILES`

DOWNLOAD_FILE Procedures

There are three versions of this download file procedure.

- The first version downloads files and is invoked from within a document download procedure to signal the PL/SQL Gateway that `p_filename` is to be downloaded from the document table to the client's browser.

- The second version can be called from within any procedure to signal the PL/SQL Gateway that `p_blob` is to be downloaded to the client's browser.

- The third version can be called from within any procedure to signal the PL/SQL Gateway that `p_bfile` is to be downloaded to the client's browser.

Syntax

```
WPG_DOCLOAD.DOWNLOAD_FILE(
   p_filename      IN              VARCHAR2,
   p_bcaching      IN              BOOLEAN DEFAULT TRUE);


WPG_DOCLOAD.DOWNLOAD_FILE(
   p_blob          IN OUT NOCOPY  BLOB);

WPG_DOCLOAD.DOWNLOAD_FILE(
   p_bfile         IN OUT         BFILE);
```

Parameters

Table 305-2   DOWNLOAD_FILE Procedure Parameters

Parameter	Description
p_filename	The file to download from the document table.
p_blob	The `BLOB` to download.
p_bfile	The `BFILE` to download (see Usage Notes).
p_bcaching	Whether browser caching is enabled (see Usage Notes).

Usage Notes

- Normally, a document will be downloaded to the browser unless the browser sends an 'If-Modified-Since' header to the gateway indicating that it has the requested document in its cache. In that case, the gateway will determine if the browser's cached copy is up to date, and if it is, it will send an HTTP 304 status message to the browser indicating that the browser should display the cached copy. However, because a document URL and a document do not necessarily have a one-to-one relationship in the PL/SQL Web Gateway, in some cases it may be undesirable to have the cached copy of a document displayed. In those cases, the `p_bcaching` parameter should be set to FALSE to indicate to the gateway to ignore the 'If-Modified-Since' header, and download the document.

- `p_bfile` and `p_blob` are declared as `IN OUT` because the locator is initially opened to check for file accessibility and existence. The open operation can only be performed if the locator is writable and readable.