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## 21.25. DocXMLRPCServer — Self-documenting XML-RPC server¶

### Note

The `DocXMLRPCServer` module has been merged into `xmlrpc.server` in Python 3.0. The [2fo3](#) tool will automatically adapt imports when converting your sources to 3.0.

New in version 2.3.

The `DocXMLRPCServer` module extends the classes found in [SimpleXMLRPCServer](#) to serve HTML documentation in response to HTTP GET requests. Servers can either be free standing, using [DocXMLRPCServer](#), or embedded in a CGI environment, using [DocCGIXMLRPCRequestHandler](#).

```
class DocXMLRPCServer.DocXMLRPCServer(addr[, requestHandler[, logRequests[, allow_none[, encoding[, bind_and_activate]]]])¶
```

Create a new server instance. All parameters have the same meaning as for [SimpleXMLRPCServer.SimpleXMLRPCServer](#); `requestHandler` defaults to [DocXMLRPCRequestHandler](#).

```
class DocXMLRPCServer.DocCGIXMLRPCRequestHandler¶
```

Create a new instance to handle XML-RPC requests in a CGI environment.

```
class DocXMLRPCServer.DocXMLRPCRequestHandler¶
```

Create a new request handler instance. This request handler supports XML-RPC POST requests, documentation GET requests, and modifies logging so that the `logRequests` parameter to the [DocXMLRPCServer](#) constructor parameter is honored.

### 21.25.1. DocXMLRPCServer Objects¶

The [DocXMLRPCServer](#) class is derived from [SimpleXMLRPCServer.SimpleXMLRPCServer](#) and provides a means of creating self-documenting, stand alone XML-RPC servers. HTTP POST requests are handled as XML-RPC method calls. HTTP GET requests are handled by generating pydoc-style HTML documentation. This allows a server to provide its own web-based documentation.

```
DocXMLRPCServer.set_server_title(server_title)¶
```

Set the title used in the generated HTML documentation. This title will be used inside the HTML “title” element.

```
DocXMLRPCServer.set_server_name(server_name)¶
```

Set the name used in the generated HTML documentation. This name will appear at the top of the generated documentation inside a “h1” element.

```
DocXMLRPCServer.set_server_documentation(server_documentation)¶
```

Set the description used in the generated HTML documentation. This description will appear as a paragraph, below the server name, in the documentation.

### 21.25.2. DocCGIXMLRPCRequestHandler¶

The [DocCGIXMLRPCRequestHandler](#) class is derived from [SimpleXMLRPCServer.CGIXMLRPCRequestHandler](#) and provides a means of creating self-documenting, XML-RPC CGI scripts. HTTP POST requests are handled as XML-RPC method calls. HTTP GET requests are handled by generating pydoc-style HTML documentation. This allows a server to provide its own web-based documentation.

```
DocCGIXMLRPCRequestHandler.set_server_title(server_title)¶
```

Set the title used in the generated HTML documentation. This title will be used inside the HTML “title” element.

```
DocCGIXMLRPCRequestHandler.set_server_name(server_name)¶
```

Set the name used in the generated HTML documentation. This name will appear at the top of the generated documentation inside a “h1” element.

```
DocCGIXMLRPCRequestHandler.set_server_documentation(server_documentation)¶
```

Set the description used in the generated HTML documentation. This description will appear as a paragraph, below the server name, in the documentation.

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