

Extending Drupal With XML-RPC

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asset.module

- Database-backed file uploads
 - File content stored in the database
 - Useful for multi-server sites
- Thumbnail previews of images
- Role-based permissions for uploads

Asset URLs

- Administer at `/admin/assets`
- View listing at `/assets` (like Apache)
- View assets at `/assets/YYYY/MM/DD/filename.ext`

XML-RPC

- Remote Procedure Calls
 - Sent over normal HTTP or HTTPS
 - Methods, parameters, and responses encased in XML
- Allows cross-platform communication
 - Non-PHP languages can talk to Drupal!

XML-RPC Example Call

```
<methodCall>  
  <methodName>  
    makeMeASandwich  
  </methodName>  
  <params>  
    <param>  
      <value>  
        <string>ham and swiss</string>  
      </value>  
    </param>  
  </params>  
</methodCall>
```

Extending asset.module

```
function asset_xmlrpc()  
{  
    return array(array('asset.add',  
                        'asset_xmlrpc_add',  
                        array('struct', 'string', 'string', 'base64', 'string'),  
                        t('Handling asset uploads')));  
}
```

```
function asset_xmlrpc_add($username, $password, $content, $filename)  
{  
    // Do stuff the module already does anyway...  
  
    return array(true, $assetURL);  
  
    // OR  
  
    return array(false, 'Stuff got br0ked');  
}
```