

The Incoming Doc

Doc from disk, if any exist.

The user and their roles.

```
function (newDoc, savedDoc, userCtx) {
```

```
// prefer the type as it appears on the saved Doc  
var type = (savedDoc || newDoc)['type'];
```

```
// Domain Specific Language for validation.  
function require(bvTrue, message) {  
  if (!bvTrue) throw({forbidden : message});  
};
```

⚠ Doc is invalid if  
the function throws  
an error.

```
// Ensure the timestamp hasn't changed.  
require((savedDoc && savedDoc.created_at === newDoc.created_at),  
  "You may not alter the created_at time.");
```

If a user or application  
were to save a doc with  
a mismatched timestamp,  
~~the function~~ CouchDB  
would return a  
403 Forbidden HTTP  
status.

```
// Post-specific validations.
```

```
if (type === 'post') {  
  validate([  
    newDoc.author,  
    newDoc.title,  
    newDoc.body,  
    newDoc.format,  
    newDoc.html,  
    newDoc.slug,  
    newDoc.slug === newDoc._id,  
    newDoc.created_at,  
  ])  
};
```

⚡ We'll cover  
authorization later.

"Posts must have an author."  
"Posts must have a title."  
"Posts must have a body."  
"Posts require a format."  
"Posts must have an html field."  
"Posts must have a slug."  
"Post slugs must be used as the \_id."  
"Posts must have a created\_at date."

The messages sent to  
client browsers when  
something is invalid.