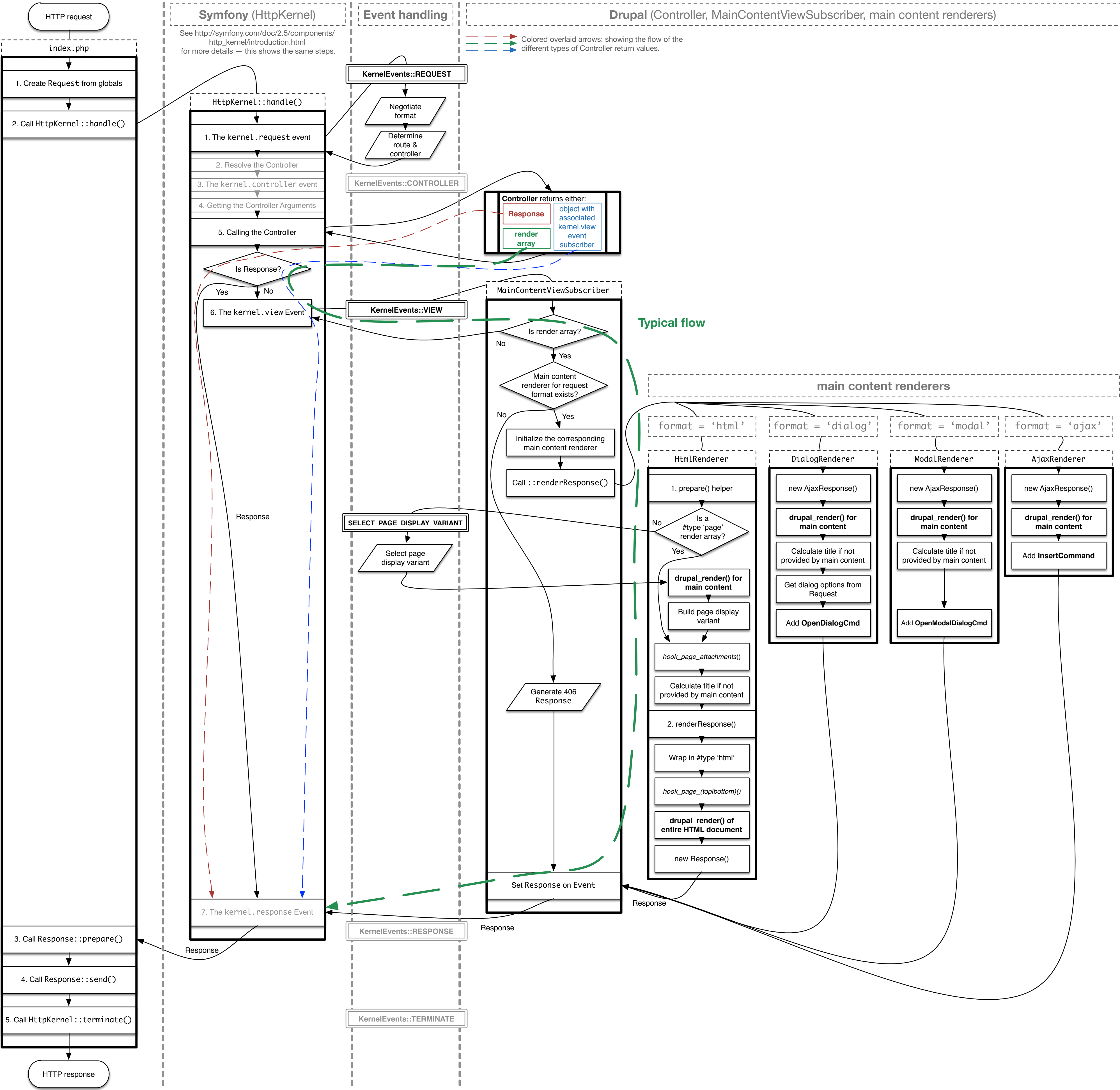


Request handling and rendering flow



Explanation

Some parts are greyed out because they're of lesser importance: they do happen, but are not crucial for understanding the flow.

Example: `GET /admin`.

Typically, the format will be `html`, but it could also be `ajax`, `dialog`, `modal`, `json`, `hal_json`, and `more`. See: `Symfony's Request::setFormat()`.

Example: `/admin` path → `system.admin` route

That route has the following attributes:

- `_content`: `'\D\s\C\SystemController::systemAdminMenuBlockPage'`
- `_title`: `'Administration'`

`_controller` is set to `'\D\s\C\SystemController::systemAdminMenuBlockPage'`

`\D\s\C\SystemController::systemAdminMenuBlockPage` is called, it returns a render array with no `#type`.

MainContentViewSubscriber only handles render arrays!

If it's anything else (e.g. an object), then it's up to another VIEW event subscriber to turn it into a Response.

MainContentViewSubscriber looks at the available main content renderer services. These are tagged with `render.main_content_renderer`. Contributed modules can add additional renderers.

The flow for all four formats supported in core in their respect is displayed next, but the **explanations below only apply to the HtmlController!**

If an unsupported format was negotiated, a 406 response is generated.

Example: `BlockPageVariant` selected.

The main content must already be rendered, because it might set the page title.

The result of a built page display variant is a `#type 'page'` render array.

`hook_page_attachments()` operates on `#type 'page'`.

Only accepts render arrays of #type 'page'!

`hook_page_top()` and `hook_page_bottom()` operate on `#type 'html'`.

Renders the 3 parts of the HTML body: `page_top`, `page`, `page_bottom` (where `page` corresponds to `#type 'page'` and hence `page.html.twig`). **Then renders the entire HTML** (i.e. the `html.html.twig` template).

Example: response for the path `/admin`.