

TYPO3 Core - Bug #87910

ExtbasePluginEnhancer won't work on same page or without page limitation

2019-03-14 12:35 - Stefan Berger

Status:	New	Start date:	2019-03-14
Priority:	Should have	Due date:	
Assignee:		% Done:	0%
Category:	Link Handling, Site Handling & Routing	Estimated time:	0.00 hour
Target version:		Complexity:	
TYPO3 Version:	9	Is Regression:	
PHP Version:		Sprint Focus:	
Tags:			

Description

Hi,

if you define 2 ExtbasePluginEnhancer of the same extension and plugin without a page limitation or on the same page, then only the later defined PluginEnhancer will remain for route matching. We are using the newest version 9.5.5.

Here the example config without a page limitation:

```
routeEnhancers:
  NewsPlugin:
    type: Extbase
    extension: News
    plugin: Pil
    routes:
      - { routePath: '/news/{news_title}', _controller: 'News::detail', _arguments: {'news_title':
'news'} }
    defaultController: 'News::detail'
    aspects:
      news_title:
        type: PersistedAliasMapper
        tableName: 'tx_news_domain_model_news'
        routeFieldName: 'path_segment'
  NewsListPlugin:
    type: Extbase
    extension: News
    plugin: Pil
    routes:
      - { routePath: '/list/{page}', _controller: 'News::list', _arguments: {'page': '@widget_0/cu
rrentPage'} }
    defaultController: 'News::list'
    defaults:
      page: '0'
    requirements:
      page: '\d+'
    aspects:
      page:
        type: StaticRangeMapper
        start: '1'
        end: '100'
```

It seems, that the name for the route collection is not unique enough: @see
\\TYPO3\CMS\Extbase\Routing\ExtbasePluginEnhancer::enhanceForMatching

Thanks for fixing the issue.

Related issues:

Related to TYPO3 Core - Bug #88860: RouteEnhancer with two actions of one ext...

Rejected

2019-07-30

History

#1 - 2019-05-02 10:00 - Lars Peter Søndergaard

I encountered this as well.

In my case I had additionally "limitToPages" set for both enhancers, with the same page ids.

And after digging a bit (a lot actually), I realized what the issue is:

When "limitToPages", "extension" and "plugin" are all the same over multiple Extbase enhancers, then the list of routes "overrides" each other. The effect is similar to an `array_merge` of the routes.

So in the example above the `'/list/{page}'` route overrides the `'/news/{news_title}'` route, because they're on the same position (index 0) of the routes list.

Every route gets added to the `RouteCollection` for the current page (created in `\TYPO3\CMS\Core\Routing\PageRouter::matchRequest`) and in the case of the `ExtbasePluginEnhancer`, each route gets a key using the extension and plugin name as namespace, and an index `$i`, this `$i` value however, restarts for every new Extbase enhancer, causing enhancers with the same namespace to override each other:

`\TYPO3\CMS\Core\Routing\PageRouter::matchRequest`

```
$pageCollection = new RouteCollection();
[... omitted ...]
$enhancers = $this->getEnhancersForPage($pageIdForDefaultLanguage, $language);
foreach ($enhancers as $enhancer) {
    if ($enhancer instanceof RoutingEnhancerInterface) {
        $enhancer->enhanceForMatching($pageCollection);
    }
}
```

`\TYPO3\CMS\Extbase\Routing\ExtbasePluginEnhancer::enhanceForMatching`

```
/**
 * {@inheritdoc}
 */
public function enhanceForMatching(RouteCollection $collection): void
{
    $i = 0;
    /** @var Route $defaultPageRoute */
    $defaultPageRoute = $collection->get('default');
    foreach ($this->routesOfPlugin as $configuration) {
        $route = $this->getVariant($defaultPageRoute, $configuration);
        $collection->add($this->namespace . '_' . $i++, $route);
    }
}
```

I stumbled upon this issue, because I had a case where I split the extbase enhancer over three enhancer entries, all with the same `limitToPages/extension/plugin` values. And because they had multiple routes, some of them worked perfectly fine, and others did not, which caused a lot of confusion on my end.

Anyway: An easy solution (for now), is to simply merge the different routing enhancers into one.

#2 - 2019-08-07 13:27 - Julian Stock

- Related to Bug #88860: *RouteEnhancer with two actions of one extension on one PID not working added*