TYPO3 Core - Bug #93889

Cannot modify language pack remote base URL

2021-04-09 09:50 - Xavier Perseguers

Status:	Closed		**Start date:**	2021-04-09
Priority:	Should have		**Due date:**	
Assignee:	Christian Kuhn		**% Done:**	100%
Category:	Localization		**Estimated time:**	0.00 hour
Target version:	next-patchlevel			
TYPO3 Version:	10		**Complexity:**	
PHP Version:			**Is Regression:**	Yes
Tags:			**Sprint Focus:**	

Description

Since the move to PSR-14 one cannot modify the language pack remote base URL.

This is following event:

`TYPO3\CMS\Install\Service\Event\ModifyLanguagePackRemoteBaseUrlEvent`

The reason is that the listener provider TYPO3\CMS\Core\EventDispatcher\ListenerProvider has an empty list of initialized listeners (member listeners), most probably in relation with the context (Install Tool).

Configuration

In EXT:yourExt/Configuration/Settings.yaml:

```
VENDOR\YourExt\EventListener\InstallServiceEventListener:
  tags:
    - name: event.listener
      identifier: 'VENDOR/yourExt'
      method: 'modifyLanguagePackRemoteBaseUrl'
      event: TYPO3\CMS\Install\Service\Event\ModifyLanguagePackRemoteBaseUrlEvent
```

Sample class VENDOR\YourExt\EventListener\InstallServiceEventListener:

```
namespace VENDOR\YourExt\EventListener;

use TYPO3\CMS\Core\Http\Uri;
use TYPO3\CMS\Install\Service\Event\ModifyLanguagePackRemoteBaseUrlEvent;

class InstallServiceEventListener
{

    /**
     * @param ModifyLanguagePackRemoteBaseUrlEvent $event
     */
    public function modifyLanguagePackRemoteBaseUrl(ModifyLanguagePackRemoteBaseUrlEvent $event):
void
    {
        if ($event->getPackageKey() === 'yourExt') {
            $event->setBaseUrl(new Uri('https://www.example.com/packages/'));
        }
    }

}
```

Expected

The method is invoked.

What happens

The method is not invoked as no listeners seems to be registered in that context.

Related issues:

| Related to TYPO3 Core - Bug #66928: Cannot use custom mirror URL anymore for ... | **Closed** | **2015-05-13** |
| Related to TYPO3 Core - Feature #50467: Support custom translation servers fo... | **Closed** | **2013-07-26** |

Associated revisions

Revision be8931bc - 2021-09-16 20:28 - Benjamin Franzke

[BUGFIX] Fix event handler invocation in language pack download

LanguagePackService is supposed to dispatch events that third party
extensions can handle. The service instance therefore needs to be
factored thorugh the late-booted symfony container, in order for
event handlers to be associated.

Releases: master, 10.4
Resolves: #93889
Related: #89813
Change-Id: Ia252fbe1b28d55f0944d5cc51801d01b41b008a5
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/68754
Tested-by: core-ci <typo3@b13.com>
Tested-by: Oliver Bartsch <bo@cedev.de>
Tested-by: Xavier Perseguers <xavier@typo3.org>
Tested-by: Benjamin Franzke <bfr@qbus.de>
Reviewed-by: Oliver Bartsch <bo@cedev.de>
Reviewed-by: Xavier Perseguers <xavier@typo3.org>
Reviewed-by: Benjamin Franzke <bfr@qbus.de>

Revision 800cb202 - 2021-09-16 21:19 - Benjamin Franzke

[BUGFIX] Fix event handler invocation in language pack download

LanguagePackService is supposed to dispatch events that third party
extensions can handle. The service instance therefore needs to be
factored through the late-booted symfony container, in order for
event handlers to be associated.

Releases: master, 10.4
Resolves: #93889
Related: #89813
Change-Id: Ia252fbe1b28d55f0944d5cc51801d01b41b008a5
Reviewed-on: https://review.typo3.org/c/Packages/TYPO3.CMS/+/71110
Tested-by: Benjamin Franzke <bfr@qbus.de>
Tested-by: core-ci <typo3@b13.com>
Reviewed-by: Benjamin Franzke <bfr@qbus.de>

History

#1 - 2021-04-09 10:21 - Xavier Perseguers

- Related to Bug #66928: Cannot use custom mirror URL anymore for XLIFF added

#2 - 2021-04-09 10:21 - Xavier Perseguers

- Related to Feature #50467: Support custom translation servers for extensions added

#3 - 2021-04-09 10:24 - Xavier Perseguers

- Category set to Localization

- Target version set to next-patchlevel

This is the second time this feature, introduced with #50467 for TYPO3 6.2, gets broken after a refactoring. Last time it was during the development of TYPO3 v7 (#66928).

#4 - 2021-04-09 11:08 - Xavier Perseguers

- Description updated

#5 - 2021-04-09 11:13 - Xavier Perseguers

My hack right now (and that's absolutely nasty!!!):

```
diff --git a/Classes/EventDispatcher/ListenerProvider.php b/Classes/EventDispatcher/ListenerProvider.php
index 99a48475f..143256f28 100644
--- a/Classes/EventDispatcher/ListenerProvider.php
+++ b/Classes/EventDispatcher/ListenerProvider.php
@@ -41,6 +41,28 @@ class ListenerProvider implements ListenerProviderInterface
     public function __construct(ContainerInterface $container)
     {
         $this->container = $container;
+
+        // ------------------------------------------------
+        // HACK
+        // See: https://forge.typo3.org/issues/50467
+        if ($container instanceof \TYPO3\CMS\Core\DependencyInjection\FailsafeContainer) {
+            $languagePackRemoateBaseUrlModifier = \VENDOR\YourExt\EventListener\InstallServiceEventListener::
class;
+            $this->addListener(
+                \TYPO3\CMS\Install\Service\Event\ModifyLanguagePackRemoteBaseUrlEvent::class,
+                $languagePackRemoateBaseUrlModifier,
+                'modifyLanguagePackRemoteBaseUrl'
+            );
+
+            // and, that's absolutely nasty, but to make it work:
+            $reflectionOfContainer = new \ReflectionObject($container);
+            $privateEntries = $reflectionOfContainer->getProperty('entries');
+            $privateEntries->setAccessible(true);
+            $entries = $privateEntries->getValue($container);
+            $entries[$languagePackRemoateBaseUrlModifier] =
+                new $languagePackRemoateBaseUrlModifier();
+            $privateEntries->setValue($container, $entries);
+        }
+        // ------------------------------------------------
     }

     /**
```

#6 - 2021-04-09 11:58 - Benjamin Franzke

That's not primarily a container thing, but rather a consequence of the context change in https://review.typo3.org/c/Packages/TYPO3.CMS/+/55998/

Are you sure that worked in 9.5?
I guess it was broken in there as well, also v9 style extbase signal handlers wouldn't fire as ext_localconf isn't loaded, right?

Regarding a possible solution:
With the help of (Late)BootService we could load all extensions in install context and therefore get a ListenerProvider from the symfony container.
But that of course means that all extensions will be loaded and the full container bootstraped. So there is little use in working in install tool context at all.
I don't know about the reasons for moving this tool into the installtool in the first place, therefore I'd like to know what Christian Kuhn thinks (as author of the patch linked above).

#7 - 2021-04-09 11:59 - Benjamin Franzke

- Assignee set to Christian Kuhn

#8 - 2021-04-09 12:18 - Xavier Perseguers

That worked in v9 since in v9 we had a signal/slot mechanism. I use it actively in v9 without any problem. Just facing this problem in v11 with a new project. The other one in v9 is not yet ready for v10 so did not spot earlier.

We really need to find a solution, at least for this very use case of changing the download URL of the language packs, this is extremely useful in an enterprise context. For other use cases, I know that Christian Kuhn is really unlikely to be fine loading extensions in the Install Tool context but we must address the XLIFF stuff anyway.

#9 - 2021-04-09 12:51 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 1 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/68754

#10 - 2021-06-11 11:23 - Christian Kuhn

@bnf: I remember we killed the slot in v9 when the dusty language pack handling has been moved to install tool where it belongs. IIRC, we re-integrated the same slot or a similar one. So, this broke again with the psr-14 or DI changes.

Benjamin, there are some more places in install tool that bootstrap "full system", right? For instance the upgrade wizards need to do this, and some others, too. We could use the same mechanism to re-enable the listener?

#11 - 2021-07-20 14:57 - Xavier Perseguers

friendly ping :)

#12 - 2021-08-31 06:47 - Gerrit Code Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/68754

#13 - 2021-09-16 20:35 - Benjamin Franzke

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset be8931bc9355b64de9a0fdfe0dafb38530fddb1c.

#14 - 2021-09-16 21:00 - Gerrit Code Review

- Status changed from Resolved to Under Review

Patch set 1 for branch **10.4** of project **Packages/TYPO3.CMS** has been pushed to the review server.
It is available at https://review.typo3.org/c/Packages/TYPO3.CMS/+/71110

#15 - 2021-09-16 21:25 - Benjamin Franzke

- Status changed from Under Review to Resolved

Applied in changeset 800cb2026068a355e7965f62eee2972d267d4b73.

#16 - 2021-10-07 07:14 - Benni Mack

- Status changed from Resolved to Closed