

TYPO3.TYPO3CR - Bug # 3859

Status:	Resolved	Priority:	Must have
Author:	Karsten Dambekalns	Category:	FLOW3 Persistence
Created:	2009-07-09	Assigned To:	Karsten Dambekalns
Updated:	2011-05-05	Due date:	
Subject:	Reference cycles can not be persisted if no aggregate roots are involved		
Description	<p>When having reference cycles in an object tree that is persisted, the Backend bails out if the objects are not aggregate root (i.e. don't have a repository):</p> <p>Uncaught FLOW3 Exception #1219424096: The identifier requested (7e449a8f-94cb-41bc-ad1f-927fb4ca0643) for "flow3:contentNode" is already in use. (More information)</p> <p>F3\PHPCR\ItemExistsException thrown in file /Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/Node.php in line 465.</p> <p>9 F3\TYPO3CR\Node::addNode("flow3:contentNode", "flow3:F3_TYPO3_Domain_Model_Structure_ContentNode", "7e449a8f-94cb-41bc-ad1f-927fb4ca0643")</p> <pre> /Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/FLOW3/Persistence/Backend.php: 00478: \$node = \$parentNode->addNode(\$nodeName, \$nodeTypeName, \$object->FLOW3_AOP_Proxy_getProperty(\$uuidPropertyName)); 00479: } elseif (\$object->FLOW3_AOP_Proxy_getProperty('FLOW3_Persistence_Entity_UUID') !== NULL) { 00480: \$node = \$parentNode->addNode(\$nodeName, \$nodeTypeName, \$object->FLOW3_AOP_Proxy_getProperty('FLOW3_Persistence_Entity_UUID')); 00481: } else { 00482: \$node = \$parentNode->addNode(\$nodeName, \$nodeTypeName); </pre> <p>8 F3\TYPO3CR\FLOW3\Persistence\Backend::createNodeForEntity(F3\TYPO3\Domain\Model\Structure\ContentNode_AOPProxy_Development, F3\TYPO3CR\Node, "flow3:contentNode")</p> <pre> /Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/FLOW3/Persistence/Backend.php: 00393: if (\$object->FLOW3_Persistence_isNew()) { 00394: if (\$this->classSchemata[\$propertyValue->FLOW3_AOP_Proxy_getProxyTargetClassName()->getModelType() === \F3\FLOW3\Persistence\ClassSchema::MODELTYPE_ENTITY) { 00395: \$this->createNodeForEntity(\$propertyValue, \$node, 'flow3:' . \$propertyName); 00396: } else { 00397: \$this->createNodeForValueObject(\$propertyValue, \$node, 'flow3:' . \$propertyName); </pre> <p>7 F3\TYPO3CR\FLOW3\Persistence\Backend::persistObject(F3\TYPO3\Domain\Model\Content\Page_AOPProxy_Development) /Users/S)</p> <pre> /Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/FLOW3/Persistence/Backend.php: 00414: // right place and have the right name. fancy, eh? 00415: foreach (\$queue as \$object) { 00416: \$this->persistObject(\$object); 00417: } </pre>		

```
00418: }
```

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6
```

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F3\TYPO3CR\FLOW3\Persistence\Backend::persistObject(F3\TYPO3\Domain\Model\Structure\ContentNode_AOPProxy_Development)\Development)
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```
/Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/FLOW3\Persistence/Backend.php:
```

```
00414: // right place and have the right name. fancy, eh?
```

```
00415: foreach ($queue as $object) {
```

```
00416: $this->persistObject($object);
```

```
00417: }
```

```
00418: }
```

```
5
```

```
F3\TYPO3CR\FLOW3\Persistence\Backend::persistObject(F3\TYPO3\Domain\Model\Structure\Site_AOPProxy_Development)
```

```
/Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/FLOW3\Persistence/Backend.php:
```

```
00329:
```

```
00330: foreach ($this->aggregateRootObjects as $object) {
```

```
00331: $this->persistObject($object);
```

```
00332: }
```

```
00333:
```

```
4 F3\TYPO3CR\FLOW3\Persistence\Backend::persistObjects()
```

```
/Users/Shared/Sites/dev/flow3/dist/Packages/Global/TYPO3CR/Classes/FLOW3\Persistence/Backend.php:
```

```
00249: */
```

```
00250: public function commit() {
```

```
00251: $this->persistObjects();
```

```
00252: $this->processDeletedObjects();
```

```
00253: $this->session->save();
```

```
3 F3\TYPO3CR\FLOW3\Persistence\Backend::commit()
```

```
/Users/Shared/Sites/dev/flow3/dist/Packages/Global/FLOW3/Classes/Persistence/Manager.php:
```

```
00209: $this->backend->setAggregateRootObjects($aggregateRootObjects);
```

```
00210: $this->backend->setDeletedObjects($removedObjects);
```

```
00211: $this->backend->commit();
```

```
00212:
```

```
00213: // this needs to unregister more than just those, as at least some of
```

```
2 F3\FLOW3\Persistence\Manager::persistAll()
```

```
/Users/Shared/Sites/dev/flow3/dist/Packages/Global/FLOW3/Classes/Core/Bootstrap.php:
```

```
00652:
```

```
00653: if ($this->settings['persistence']['enable'] === TRUE) {
```

```
00654: $this->objectManager->getObject('F3\FLOW3\Persistence\ManagerInterface')->persistAll();
```

```
00655: }
```

```
00656: $this->objectManager->getObject('F3\FLOW3\Session\SessionInterface')->close();
```

```
1 F3\FLOW3\Core\Bootstrap::run()
```

```
/Users/Shared/Sites/dev/t3v5/dist/Public/index.php:
```

```
00045: $flow3 = new $bootstrapClassName(getenv('FLOW3_CONTEXT'));
00046: $flow3->initialize();
00047: $flow3->run();
00048:
00049: ?>
```

Instead of producing that exception, an object proxy should be created in the CR.

Associated revisions

Revision 53b3b389 - 2009-07-13 12:08 - Karsten Dambekalns

[+BUGFIX] TYPO3CR (FLOW3 Persistence): Cyclic object references can now be stored even if the involved objects are not aggregate roots, fixes #3859.

History

#1 - 2009-07-13 13:00 - Karsten Dambekalns

- Status changed from *Accepted* to *Resolved*
- % Done changed from 0 to 100

Applied in changeset r2779.

#2 - 2011-05-05 17:14 - Robert Lemke

- Target version deleted (0.5.0 alpha 3)