



Core Highways Release Notes v4.0.5.3

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Document Control

1.1 Author

Rob Coupe, Technical Architect

1.2 Document Summary

This document provides a description of the changes in this release and information about how these changes may impact on an Exor installation.

1.3 Document History

Document History			
Revision	Date	By	Description
1.0	06 Mar 2009	R Coupe	First Edition

1.4 Reference documents

None

1.5 Distribution

Exor Customers, Partners and Staff

1.6 Quality Assurance

Document Details	
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Core Release Notes v4 0 5 3.doc	Rob Coupe
Document Name	Reviewed By
Core Highways Release Notes	Colin Stewart
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1	Colin Stewart
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2 Introduction

This document highlights the key changes to the exor Core Highways database following the release of **Core Highways v4.0.5.3**. It is specifically targeted at users and system administrators of the exor systems. Changes in the core database functionality have the potential to have wide impact across all exor applications and it is important that these changes are understood. However, many of the functions of Exor **Core Highways** are extremely technical in nature and this document is aimed at those with some degree of technical knowledge and not at end users.

It is not intended to be a full system description but a guide to indicate what changes have been made, why they have been made and the potential failings if this upgrade is not applied.

Core Highways v4.0.5.3 is a patch release intended as an upgrade to the recent v4.0.5.2 release. The 4.0.5.2 release was a full release in the sense that it contained a full set of modules, all compiled against the core database at version 4.0.5.2. The scope of v4.0.5.2 was such that some patches that were supplied to selected sites, particularly in the area of merge queries could be undone by its installation. **Core Highways v4.0.5.3** is intended to redress this by bringing these configurations up to the latest versions. Also, **Core Highways v4.0.5.3** contains many changes aimed at users of hierarchical assets. Other patches that are included in this release are aimed at providing a general improvement in reliability, building on the recent core improvements during recent upgrades from 4.0.4.6 through to 4.0.5.2.

Please note that this patch must only be applied to releases at version 4.0.5.2.

After reading through this document, should you have any need for training or consultancy then please contact your **exor** account manager. If these changes are considered important for your current release and this is incompatible with this patch release then please contact **exor support**.

Just as release v4.0.5.2, this patch is intended to be used in conjunction with **Spatial Manager 4.0.0.6454** and supports recent extensions to the Exor Map Services inside version exorMapviewer4051.jar. The exor mapviewer jar file comes in two versions for compatibility with versions 10.1.2 and 10.1.3 mapviewer server.

The contents of this release are aimed at providing better performance and more reliability within the **exor Core Highways** and other products. The changes have no client impact and can be applied without risk to existing client tools on the 4.0.5.2 platform.

3 New and Changed Functionality

This release is predominantly a bug-fix release so no fundamental changes have been made.

4 Log No. Summary

This chapter summarises all Software Bugs and Changes that have been made in this release. These changes are derived from the following sources:

- Customer raised issues
- Internal testing
- Minor enhancements.

ECDM #	Description
717677	Error end-dating assets with subordinate hierarchical items
713421	Hierarchical asset problem (same as 717677)
718043	Failure on derived asset
718052	Failure on derived assets
695750	The route rescale function did not round the starting measure to be consistent with the route units format mask. This has been addressed within forms and Spatial manager.
696872	Restrict max value on asset data
716475	Unique admin unit codes - same as 715234 - Admin Units were being made available in the LOV for Asset Types that are not used for that Admin Unit. This resulted in duplicates appearing. Fix already applied in later version.
717363	Hierarchical asset relocation problem. Hierarchical assets configured to have a shared location are re-located correctly.
717798	Delete global assets – no data in list. Duplicate of 718014 - Selecting the “select all items (no restriction)” tick box did not result in any records being returned. The SQL used has been amended to not require a specific item.
717967	Forms failures on validation
716387	Locate by intersection. Nodes on route failure in sql was coded incorrectly.
696122	Hierarchical asset relocation problem. As 717363. Hierarchical assets configured to have a shared location are re-located correctly.
697651	Hierarchical assets - Exclusivity of child asset not maintained when adding asset through Inventory Items form.
718614	Split not working. This was a customer specific configuration problem.
714839	SM LRM Tool M side Error. This is corrected by re-generating the route shapes where corrections are made to the measures on the route shape vertices.
696419	Execute a merge query after the entry of the query specification was unavailable due to the button remaining inactive. This was fixed through corrections to the assessment of the module role after the form name had changed.
716296	nm_themes_all PK error in STP
716315	Engineering dynamic segmentation function pop-list not in alpha order.
716317	Engineering Dynamic Segmentation function returned values are not rounded. This was due to the attribute in question not being defined as having a number of decimal places. The code now defaults all numeric function values to be returned with zero decimal places when the attribute decimal places is undefined.

ECDM #	Description
702634	Directory separator problem on user configuration.
718691	Failure of merge query to split at discontinuity of attributes of route as a foreign table
697246	Assets on route. Double-clicking on the graphic representing a foreign table asset failed to navigate to the item in the tabulated data blocks.T
716392	nm0110 - numeric value error
717947	NM0510 Failure displaying new FW data - FRM-40735 key-exeqry trigger raised unhandled exception ORA-306500. Use of level outside of a connect-by clause
700920	Possible differences in the allocation of a default value on the ITA_EXCLUSIVE column due to differences in behaviour of older upgrades and install scripts is addressed.
719281	various problems in Create/drop layers in Structural Projects - addressed in STP_SDO_UTIL package
710576	After end dating asset domains, data was unavailable in asset forms. The post-query will now alert the user to the fact that the attribute data is rendered invalid by domain data having bene end-dated.
717221	Themes wizard fails to configure an xy driven asset layer
716980	Show map function has been included in assets on a route
716385	Nm0510 location tab - auto-query is executed on blocks
719041	Failure to register correct SDE column registry data caused rounding on shapefile extracts for Mapcapture. Users should re-register the sde metadata if rounding occurs on numeric attributes.