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**Feature Handling and Licenses**

**V6.2.0**

**Zuken E3 GmbH**

**E³.HarnessAnalyzer**

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# Revision history

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| --- | --- | --- | --- | --- |
| Version | Date | Name | Company | Description |
| 6.2.0 | 25.01.2016 | M.Rüsseler | Zuken E3 GmbH | Initial |

# Glossary

|  |  |
| --- | --- |
| Term | Commentary |
| E³.HA | E³.HarnessAnalyzer |

# Feature handling

Initially, E3.HA had only one license entry for the entire product. Due to several reasons, add on features were requested to control which customers are allowed to used certain functionality.

Regarding Flexlm, these add on features are handled as standard features. There is an entry for the basic feature E3HarnessAnalyzer necessary to run the application.

The add on feature DSI was introduced to know which customer really use the DSI functionality. This feature is called E3HarnessAnalyzerDSI. It must be added to the license file together with the feature E3HarnessAnalyzer.

Typically the count of the addon features will be the same as for the basic license.

On start of the HarnessAnalyzer, all possible features are requested from the licensing system and the available ones are activated.

There may be scenarios in the future, where an add on feature may have extra costs or is very special so that not all users should query this feature on start of the application (otherwise the first users will block this feature on start and others who really need the special feature would not get it).

This can be handled by using a registry key:

HKEY\_CURRENT\_USER\Software\Zuken\E3.HarnessAnalyzer

Name: AvailableFeatures

Data: String

Value: a decimal number representation (this is a bit coded representation of the features to query)

0 or 1 no add on feature

2: query E3HarnessAnalyzerDSI

3: query standard and DSI

4: query TBD

If this key is not set (default) all possible features are queried. If it is set, the individual features from the value entry are considered.

This handling also affects the borrowing mechanism:

Borrowing a license needs to check out the basic license and possibly also the add on features. In this case the available features from the server license file need to be taken into account. Only features which are in the license file can be queried by the borrow process if these are not blocked by the registry entry. This case is different to the normal application startup query, as we need to provide a message if a certain add on feature cannot be obtained on borrow (the user needs to know whether he really got all the necessary features before leaving the network)