

biexperts



**Agile
Work-In-Progress
Management Solution
for**

Qlik 
Sense™

Qlik 
QlikView®

Qlik Environment Quality Control Through Complexity Analysis

The Qlik Complexity Analysis implementation further enhances the Qlik server and environment quality assurance. The combination of our environment based procedural check-lists and the complexity analysis ensures great development processes but also great development quality and optimization of all applications throughout the development cycle.

The Qlik complexity analysis implementation not only ensures that developers are aware of the complexity of their applications but also enables administrator users to implement proper quality control into their environments.

The complexity analysis function enables Qlik Admin users to set up the level of complexity they wish to accept into their environments, and should an application not be within the defined ranges, the application will not be published without the administrator user approval.

The complexity analysis function automatically scans the complexity of an application when an application is checked-into the WIP repository. The analysis uses the pre-defined categories and algorithms which provides an index number for the application.

WIP stores all version level complexity data so that developers can review the improvements of the application across all the versions of an application and compare that with the changes affected within that version.

VERSIONS - COMPLEXITY ANALYSIS														Properties	
Version	Descript...	Comp Id...	Size	Sessions	# Tbls	# Flds	# Rows	Cardi %	# Sheets	# Object...	# Expr	Set Ana	Long Ex...	Identification & Check-Out	Complex Analysis
1.0.20		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input checked="" type="checkbox"/>
1.0.19		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.18		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.17		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.16		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.15		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.14		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.13		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.12		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>
1.0.11		3.00	0.16	100	3	20	1637	76.00	0	0	0	0	0		<input type="checkbox"/>

Versions - Complexity Analysis



When the user is ready to publish the application, the system will inform them whether their application can be published into a selected environment or whether they would require dispensation from the administrator users. They can click on the fail status to understand which categories are above the pre-set thresholds and whether they can improve this through optimization or whether they would require dispensation from the Administrator to publish the application.

Publication

Administrator users can also review the total environment and all the applications on the environment's complexity ratings. Admin users can use the threshold sliders to adjust and reset the thresholds per complexity category per environment.

Complexity Analyzer Threshold



Administration users can define the base index and category ranges that they wish to apply across all their environments in one place. These settings are then utilized within each environment specific category and threshold settings.

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qlik complexity analyzer

COMPLEXITY CATEGORIES

Tables Base: <input type="text" value="5"/>	Cardinality Base: <input type="text" value="5"/>	Objects Base: <input type="text" value="2"/>	Calc. Dimensions Base: <input type="text" value="2"/>
Tables Max: <input type="text" value="40"/>	Cardinality Max: <input type="text" value="25"/>	Objects Max: <input type="text" value="120"/>	Calc. Dimensions Max: <input type="text" value="10"/>
Tables Weight: <input type="text" value="2"/>	Cardinality Weight: <input type="text" value="5"/>	Objects Weight: <input type="text" value="2"/>	Calc. Dimensions Weight: <input type="text" value="5"/>
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Fields Max: <input type="text" value="300"/>	Sheets Max: <input type="text" value="10"/>	Expressions Max: <input type="text" value="150"/>	
Fields Weight: <input type="text" value="2"/>	Sheets Weight: <input type="text" value="2"/>	Expressions Weight: <input type="text" value="2"/>	
Rows Base: <input type="text" value="10"/>	Set Analysis Base: <input type="text" value="3"/>	Long Expr. Base: <input type="text" value="4"/>	
Rows Max: <input type="text" value="200"/>	Set Analysis Max: <input type="text" value="25"/>	Long Expr. Max: <input type="text" value="40"/>	
Rows Weight: <input type="text" value="3"/>	Set Analysis Weight: <input type="text" value="3"/>	Long Expr. Weight: <input type="text" value="3"/>	

long Expression From:

Properties

- Options
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Complexity Analyzer Threshold

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