



RADAAR - Review and Analysis of Domino Application Architecture Robustness

RADAAR gives a rich unbiased analysis of a Domino database that can be used to recommend improvements around performance, scalability, sizing and data integrity.

RADAAR aggregates an analysis of a database, its Views / Folders, Agents, Forms and Documents. Each area gives information relevant whether a customer is looking at continuance, managed hosting, modernisation or migration. The tool gives a clear overview of all database properties. Dashboards give areas for focus including private views, views with indexing concerns, design elements prevented from design update, forms with potential referential integrity issues, agent scheduling and potential agent execution issues. Data profiling by Form for created / last modified date can be viewed as tables or charts.

DATABASE OVERVIEW

"Each version of IBM Domino adds new database settings or properties that, if enabled, could improve performance. But rarely after server upgrades is a review done to enable these."

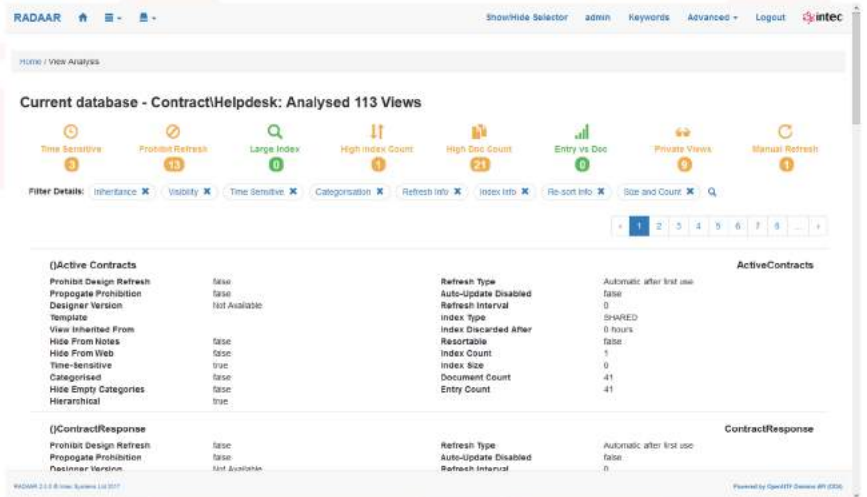
The screenshot shows the RADAAR interface for a database named 'lesk'. It displays a navigation menu on the left with options like 'Build Analysis', 'Database Properties', 'View Analysis', 'Agent Analysis', 'Agent Schedule Summary', 'Form Analysis', 'Document Analysis - Date Created', and 'Document Analysis - Date Modified'. The main area shows analysis results for various components, all marked as 'COMPLETE'. Below this is a table of database properties.

Path	IntechHelpDesk.nsf	Size (bytes)	5,669,650,432
Created	03/07/2017 17:01:21	Percent Used	95.413%
Inherits from Template		Number of Docs	179,572
Template Name		Number of Design Docs	463
Replica ID	80258152005803ea	FT Indexed	false
ODS Version	43 (Domino 6.x / 7.0)	Multi-Database indexed	false

In moments, review a database's version, sizing and all property settings, including ones not easily accessible in Notes Client or Domino Administrator. Identify changes that could quickly improve performance or security of an application.

VIEW ANALYSIS

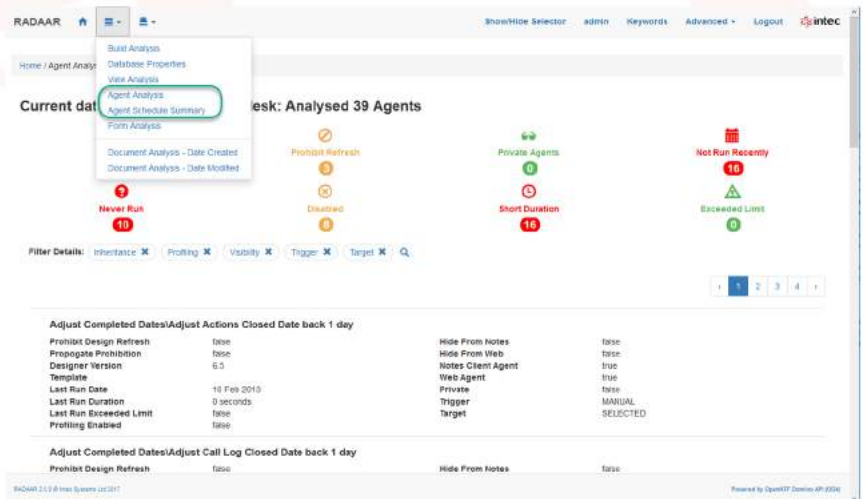
"Views are the critical part of an application. Only the most innovatively architected applications do not rely on them. If they are not well-maintained, it can significantly impact performance - and user experience - whether access is via Notes Client, XPages, or REST service."



In a simple interface review key settings for all views in the database. A dashboard shows key discussion areas that could affect performance and ongoing support. Historical private views stored on the server will not get removed unless the author does so. If RADAAR is installed on a server in your domain, all private views in the database can also be identified.

AGENT ANALYSIS

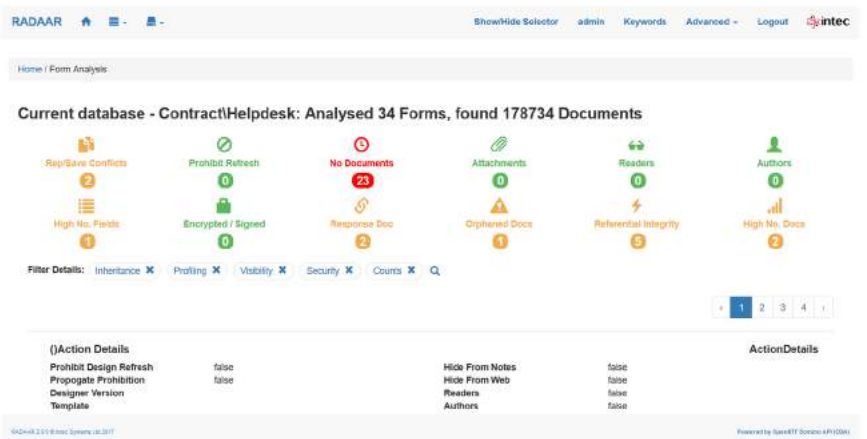
"Background agents are an aspect of an application users don't see, all they see are any visible impacts. Unless specific reporting has been added, no one may know there's a problem until someone reports it. Profiling and effective scheduling can tell you what you don't know."



The agent analysis extracts profiling and agent run information for all agents in the database, to identify potential concerns or legacy functionality. The schedule summary gives an immediate overview of the schedule of the database, for this or other servers, regardless of whether they are due to run today or have run today. A server-wide analysis provides the same information on a wider canvas.

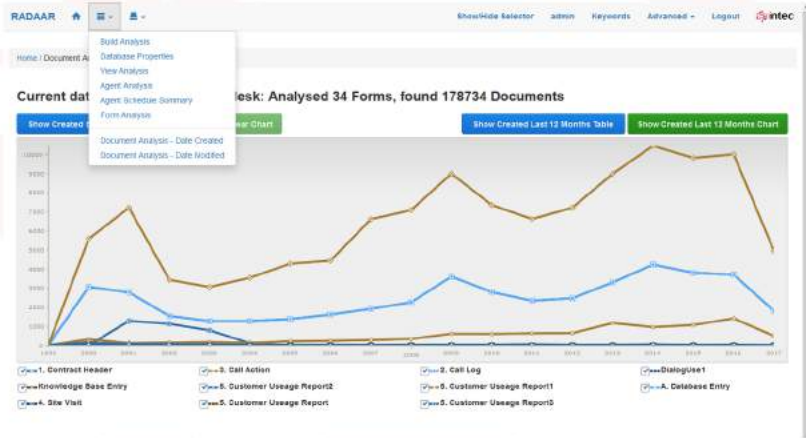
FORM AND DOCUMENT ANALYSIS

"Forms and their documents are at the heart of traditional IBM Domino applications. Knowing document profiling, Form inter-relationships and security constraints is key to supporting, modernising or migration."



By analysing not only Forms but the documents created from them, RADAAR gives a unique level of understanding. Quickly understand which forms have security applied, all parent/child relationships and gain an insight into potential referential integrity issues.

By profiling when documents were created and when they were last modified, RADAAR can help identify legacy forms, highlight critical configuration rarely updated, identify key areas for modernisation or migration, and inform scalability for the future.



USE WITH PANAGENDA'S APPLICATIONINSIGHTS

Panagenda's ApplicationInsights is a free entitlement with IBM Domino S&S until April 2018. RADAAR complements the ApplicationInsights analysis to identify a scalable way forward.

ApplicationInsights	RADAAR
ApplicationInsights identifies the most heavily used applications.	RADAAR can then be run over those applications to give a more detailed analysis of the architecture.
ApplicationInsights identifies whether applications are used from Notes Client or web.	RADAAR identifies whether settings are enabled to prevent use from web, if not intended.
ApplicationInsights identifies the complexity of the design elements.	RADAAR identifies what design elements will prohibit design refresh and which document types are in regular usage.
ApplicationInsights identifies the code complexity of views and their columns.	RADAAR identifies the size of views and view indexes, plus performance-related impacts of the design.
ApplicationInsights identifies the complexity of forms and subforms, with numbers of fields on each.	RADAAR identifies how many subforms are used by each form. The fields on each form may differ to fields on documents created from them. RADAAR can give greater clarity.
ApplicationInsights identifies the number of agents in an application.	RADAAR identifies if profiling is enabled, provides last run statistics and scheduling information.
ApplicationInsights helps advise on continuance, move to cloud or modernisation. If migration is the preferred option, ApplicationInsights can identify integration with external applications that might not be well known and may impact decisions.	RADAAR identifies discussion points for continuance or cloud migration, identifies main write activity areas of an application and highlights configuration and potential referential integrity issues that will impact data migration.

Why Intec?

At Intec, we collaborate with our clients, bringing together business insight, significant experience and technology to provide a distinct advantage in today's rapidly changing business environment. Through our integrated approach to problem solving, solution design and execution we help turn our customers strategies into action. With over 25 years experience we can help customers anticipate change and profit from new opportunities.



Intec Intec House St Nicholas Close Fleet
Hampshire GU51 4JA
tel. +44 (0)1252 775400
fax. +44 (0)1252 775444
www.intec.co.uk

