

Arrow ECS

Oracle Exalabs Solution Centre

Unrivalled demonstration facilities in the centre of London

Arrow ECS has invested in updating its Oracle Solution Centre in Theale and London. Already providing an unrivalled resource for our partners to showcase Oracle hardware solutions, the Oracle Solution Centre has been refreshed to include a wide portfolio of advanced enterprise-class software solutions.

Providing invaluable resource for our channel partners to educate and influence key customers and ultimately help drive sales, the Solution Centre is available free of charge for:

- Hands-on demonstrations
- Proof-of-concept
- Evaluating a solution
- Training
- Benchmarking and performance testing
- ISV Exadata certification programme

Partners are also able to utilise our Solution Centre with chargeable hands-on training, live demonstrations, and skills transfer sessions – all of which can be tailored to you, your customers' or Oracles requirements.

How to book a demonstration

The Arrow ECS Oracle Solution Centre is available for Oracle employees and Oracle's reseller partners to showcase a portfolio of enterprise-class hardware and software solutions. All our demonstrations are available in central London or as a remote demonstration from Harrogate or Theale or via 'Live Meeting'. To book a demonstration or for more information please email martin.guthrie@arrowecs.co.uk

Available demonstrations and solutions

Arrow ECS is continually refreshing our Solution Centre with the latest Oracle and complementary vendor technologies. Detailed here are our most common demonstrations.

However, if you have any specific requirements, please email martin.guthrie@arrowecs.co.uk

Exadata in the City

Over the past few years the growth in data volumes in BI and Data Warehouse infrastructures has become exponential, and has created the necessity for larger, faster and more intelligent I/O subsystems that will enable businesses to analyse these vast amounts of data, in excess of multiple terabytes, and thus gain a valuable competitive edge over their competition. Traditional storage solutions suffer from fundamental architectural deficiencies such as scalability capabilities that will create I/O bottlenecks as data volumes increase and the need to analyse the data grows.

Oracle's Solution:

The Oracle Exadata Storage Server solves the data bandwidth bottleneck, even as the data volumes grow exponentially, and dramatically decreases your query response times. Faster queries allow you to run more queries, ask more questions and make better business decisions.

The Oracle Exadata Storage Server employs three main features to deliver performance improvements for your Data Warehouse applications.

- Scalability of the Exadata storage infrastructure is superior to traditional storage solutions, by enabling all the Exadata disks and cells to work in parallel. The Exadata Storage Server delivers extreme I/O bandwidth to the application that scales out as the data volumes grow in the application thus adding storage as well as the required plumbing to create a balanced I/O sub system.
- I/O performance is enhanced due to the high-speed Infiniband infrastructure Exadata uses to transfer data between the database servers and Exadata Storage cells.
- SQL pre-processing such as column projection and advanced filtration are offloaded to Exadata cells, which result in a significant reduction in the amount of data that needs to be sent from the storage to the database server to execute SQL statements.



Arrow ECS Exadata Demonstration

The demonstration will give you the opportunity to get an in depth understanding of how hardware and software is engineered to work together to create the power and scalability of Exadata. The session will focus on Oracle Exadata fundamentals, features, components and capabilities. The 90-minute demonstration will help you understand how to spot an Exadata opportunity and position Exadata as the solution. Taking a database that formally ran on another vendors Server and Storage this demonstration will shows the benefits made by simply moving it to an Exadata Database machine and then the enhanced benefits by tuning the SQL queries to take full advantage of the raw performance the Exadata.

The Exadata specialist will present a brief introduction explaining how Exadata differs from standard custom built or 'reference' architectures traditionally designed and deployed. After this you will be taken to our 'Exalab' proof of concept facility and shown around the Exadata itself. Explaining in further detail how the balanced architecture is perfectly designed and tuned for the Oracle Database. After the tour and between demonstrations our consultant will articulate the software enhancements added to the Oracle Database and delivered only when deployed on the Exadata database machine, explaining further how this technology differentiates itself from other mainstream products on the market today.

About the demo data

The data used in this demo is based on data generated by a government financial institution for the checking of tax irregularities. The query used in the demo matches purchases and invoice revenues by scanning the table. The hardware used in this demonstration is an Oracle Exadata 2-2 Database Machine. Therefore, a relationship can be created between the performance experienced with this demo hardware and that which one would expect to achieve on an Oracle Database Machine. This environment provides a real-time demonstration of the relative performance of the Exadata.



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