



**hp ODS Design and Implementation Service Model No.YS-A0016-IF**

***Introduction***

The HP *ODS Design and Implementation Service* is a consulting service for Tru64 Unix systems that designs and builds an Operational Data Store (ODS) using the Real-time ODS Manager for Tru64 Unix and Oracle 8i or Oracle 9i. An ODS is a database infrastructure for the Real-time Enterprise. An ODS must provide a sustainable, high performance, guaranteed level of service for the client’s real-time business workload. The ODS supports a mixed workload of database transactions: inserts, OLTP transactions and Decision Support System query transactions with a guaranteed level of service for each of these classes of transactions.

The ODS design will specify the database schema, the operational parameters to achieve the required performance levels for a specific real-time business workload and the processes to load and update the ODS. It includes the design information used by the designers and builders to make tradeoffs in schema and ODS operational functions to meet the business needs and technical requirements of the applications interfacing to the ODS. This information includes the solution’s purpose, functions, interfaces with elements in the system’s environment, constituent components and their relationships, principles of operation, properties, and means of construction and testing. The information is captured in models and text.

A team of HP Consultants, led by a HP Solution Architect, works with the client to design the ODS, implement the ODS design and load the ODS. The team uses the HP Services Architecture Methodology to ensure that the needs of all client stakeholders are considered, and that the ODS design and the ODS implementation takes advantage of the best technology and meets the client’s real-time business requirements.

***Service Objectives***

The primary goal of this service is to implement a well-designed Operational Data Store to support the client’s real time business needs. This includes working with the client to:

- Develop a project plan for designing and implementing the ODS.
- Confirm the mixed workload requirements.
- Design and document the ODS schema to support the client’s business applications.
- Specify the data loading and updating procedures.
- Define the ODS and ODS parameters to achieve the performance levels specified.
- Implement the ODS.
- Load the ODS.
- Tune the implementation as required to meet the performance requirements.



- Validate the implementation of the ODS.
- Train the client's staff.

### ***Service Deliverables***

- Statement of Work for the Project.
- ODS Requirements Document.
- ODS Project Plan.
- ODS design document.
- ODS schema.
- ODS' load and update procedures.
- Installation and set-up of the ODS.
- Initial data load of the ODS.
- Acceptance Test.
- Training on design and implementation.

### ***Service Activities***

1. **Introduction** Review with the Client sponsor the objectives, deliverables, and activities of the ODS Design and Implementation Service. Review any other previous strategic, planning or architectural work carried out by the client, other consultant or systems integrator, or HP. Define the scope of the project, client participants, required HP expertise, tentative schedule and conditions for completing the work. Review with the Client the Statement of Work for this project.
2. **Project Planning** A project plan is developed specifying the tasks and resources required to design, implement and install an ODS for the Client. The Project plan will include specific milestones and reviews with the Client.
3. **Refine (Define) ODS Requirements** A detail requirements document will be written stating the real-time business, operational and technical requirements.
4. **ODS Design** A database design and schema will be developed that will meet the documented requirements.
5. **Develop ODS load and update procedures** Based on the data sources develop as required the procedures and any required software to load the ODS. If required, develop the process and the required software to periodically update the ODS outside the normal



real-time processing. The integrity and cleansing of the data is the responsibility of the client.

6. **Install Oracle and Set-up ODS** Using the ODS Design install and set up Oracle, install the ODS Manager and load the initial data using the ODS load and update procedures. Develop start-up and shutdown scripts for the ODS.
7. **Document Design and Implementation** Document the ODS design and ODS Manager implementation including the reasons for the design and implementation choices.
8. **Acceptance Test** With the Client develop and execute an acceptance test demonstrating that the functionality and performance of the ODS and ODS Manager meets or exceeds the documented requirements.
9. **Train Client** Provide the Client with a one time seminar for up to 10 students reviewing the ODS requirements, ODS design and implementation, the load and update procedures and the functionality and use of the ODS Manager.

### ***Service Scope and Related Services***

The scope of this service is limited to the activities outlined above.

The ***ODS Design and Implementation*** service is one of the steps in the series of HP services to design a business solution. It typically follows a ***Real-time Enterprise Architectural Design*** service.

### ***Service Duration***

The ***ODS Design and Implementation*** service is typically delivered within an agreed timeframe according to the complexity of the solution.

### ***Critical Success Requirements or Service Prerequisites***

The ***ODS Design and Implementation*** shall be considered complete when all deliverables outlined in the section titled **Service Deliverables** have been provided to the Client. Items marked “as needed” in the activities section must be agreed upon between HP and the Client.

The Client will be required to take the following responsibilities:

- Arrange suitable personnel to be available to furnish information.
- Appoint a team leader to act as a single interface to HP.
- Provide timely responses to requests for information.



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## Service Description

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- Guarantee availability of resources, including secure workspaces, network access, office machines, and so on, for work done on Client's premises.
- Secure a license for the Real-Time ODS Manager.
- Secure a license for IONA Orbix E2A Application Server V5.0 Standard Edition.
- Secure the suitable Oracle 8i or Oracle 9i licenses and kits.

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