SSIS REAL TIME RESPONSIBILITIES:

DEVELOPMENT--> TESTING--> STAGE--> UAT-->PRODUCTION [SCHEDULE ENVIRONMENT]

There are four types of SSIS resources in the organizations

a) DEVELOPER

1. We will get documents through sharepoint site links / emails / versioning [TFS] or repositing tools [GitHub]

2. We will get High Level Design Document [HLD], Low Level Design [LLD] or Source Map Document or Business Map document, Technical Design document etc...

3. We analyze them, understand it and then go for clarifications.

   Once clarifications completed { may be initial help}

4. We create packages based on the documents.

5. We may use any transform or any task depending on the situation.

6. We may implement any topic in the package.[checkpoint, transaction etc...]

7. We always specify logging, configurations or parameters to the package.

8. We test the packages throughly through Unit Testing of packages.

9. We may perform reconciliation during operations.

Once development completed with logging, configurations and unit testing, code will be sent to the respective

authority by keeping in versioning tool [TFS--Team Foundation Server] or GitHub or by sending emails [rarely] or by keeping in shared folder [rare].

Code to be attached : . dtsx file, configuration file [if available]

Once all packages are ready, they go for customer signed off and moved

to testing environment through a process called deployment.

b) TESTER [ETL TESTERS / QULITY ANALYSTS]

1. We will get documents through sharepoint site links / emails / versioning [TFS] or repositing tools [GitHub]

2. We will get High Level Design Document [HLD], Low Level Design [LLD] or Source Map Document or Business Map document, Technical Design document etc...

3. We analyze them, understand it and then go for clarifications.

   Once clarifications completed { may be initial help}

4. Fuctional test or white box testing on the package to ensure functionally according to the document it is working.

5. If there are issues, then they raise like defects in defect tracking tools[HP Quality Center, BugZilla, Rational Rose,JIRA etc...].

6. Defects assigned to developers, they work on it, again perform unit testing [regression testing] and then move to Test environment.

7.Once all packages are tested throughly, they go for customer sign off and moved

to PROD or other [Stage / UAT] environment through a process called deployment.

c) SUPPORT / MAINTENANCE RESOURCE

a) Support team [senior team or artitects] create Job flow [application sequential running flow]

b) Applications [Sql, Packages, PowerShell, Batch files ...] scheduled in Sql Server Agent according to the job flow.

 Note: Job flow based on your application ETL flow

OLTP[2AM]-->ODS[3AM]-->STAGE[3.30]-->EDW[4AM]-->DW[7AM]

c) Support resources work on the scheduling and scheduling issues

d) There are four levels of support [LEVEL1. LEVEL2, LEVEL3, LEVEL 4]

LEVEL1: HIGH SEVERITY [24 * 7, HIGHLY TECHNICAL TEAM, CRUCIAL IMPLEMENTATIONS]

LEVEL2 : LESS PRIORITY THAN LEVEL 1

Production Issues are called as incidents. There are severities of incidents.

Severity 1: 4 hours max time [high severity]

Severity 2: 8 hours max time

Severity 3: 16 hours max time

Severity 4: 32 hours max time [Very cool]

Note: These severities are common for all LEVELs [1...4]

Issues are tracked in Issue tracking tools such as Service Now, Assure Service Desk, JIRA etc...

d) SSIS DESIGNER / ARCHITECT

a) Understand business model and business, create entities, E-R documents, Technical documents [HLD, LLD etc...]

b) Provide standards to the applications [Naming conventions, remarks, reusabilities etc...]

c) Specify Optimization techniques or Performance Tuning methods

d) System configuration by associating with DBAs or Micro Soft Global Support Team.

Resume Level

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The above are highlevel understandiing of roles and responsibilities.

It does not talk about what an individual will do in the project.

We always work on limited components or topics in an application.

Mention those in the resume project responsibilities.

SELF DESCRIPTION

Hi,

Good morning! I am paramesh, having 3+ years of experience in IT industry working with DWH and BI stream. I am working on MSBI for the last 3 years by working with SSIS and SSRS tools.

In my tenure I played two major roles. a) Module Lead b) Software Engineer.

I am a Btech qualified candidate with 75% aggregation in academics and even I got good percentages in my earlier qualifications (specify if they are good with institution name).

Worked with various other tools and technologies along with MSBI such as VB Script, Sqlserver, Teradata and Versioning tool TFS. I have some knowledge on scheduling process, control M and Sqlserver Agent scheduling tools.

My responsibilities are working on documents such as Business, HLD, LLD etc...through portals[Sharepoint /Team Foundation Server/FTP] or emails and understanding them to work on or for clarifications. Creating and manipulating packages based on the documents and Testing them with Data Validation rules. Answering adhoc requests and working on test defects and production issues. I am having good understanding on Datawarehousing and Data Model fundamentals.

Recently trained on Sqlserver 2016 as part of project updgradation.

This is very brief about me.

General Project Explanation

   a) Client and client business description

   b) Need of DWH and decision support in the organization

   c) End-End flow of the project [ETL/ Semantic/ Reporting]

   d) Your application and role

   e) Responsibilities

Retail Project Explanation:

1stpoint: Client and Client Business Description [Day-Day Operation]

Currently I am working on a retail project where my customer is AMSI Land Scaping located at Newyark,USA.Their major business is manufacturing various landscape scenes for different real world events such as railroads,houses and plantation, doll houses, world iconic and important manuments etc...They have many manufacturing units and they sell their products through three channels.

 The first one is retailer, second one direct outlet and the third one is Online.

2nd Point: DWH and BI need

Their objective is to have a strategic [past analysis] and tactic [current analysis] analytical system for the analysis of manufacturing units and sales units.

3rd Point : End-End flow [If you know answer it, otherwise ignore]

OLTP→ODS→Stage→EDW→DW→Cubes[Tabular Cube]→ Reporting / Analytics

4th Point: My application and Role

I participated in this project in a DataMart or Application Area called "Inventory and Manufacturing " Analysis.

In this project the warehouse is Sqlserver which is in **Galaxy schema** and my application is in **SnowFlake schema** where I have **two fact tables and around 12 dimensions.**

They follow **bottom up approach of DWH and using Agile life cycle** methodology for project implementation.

5th Point: Responsibilities in the project

We prepared packages for DImension and Fact loaing by following dimensional modeling rules based on the HLD and LLD documents of the customers.

Used many transforms, tasks and constructs of SSIS depending on business logic. Performing Data Validation/ Unit testing post creation of package.

Delivering packages, configuration files and Unit test documents to the customers according their conventional method such as keeping in TFS or Sharepoint Server or EMAIL.

In this project the ETL flow looks like below.

a) Dimensions load from PROJECT_RETAIL_DB

b) Fact Load from Operational Systems with Staging Area

Draw the diagram and explain

Daily Activities:

As soon as I enter into office I open my desktop/Laptop, connect to VPN for customer network and then see my emails for new assignments or change requests or any other kind of requests and meetings.

I will work on the given documents. If already given we work on those documents.

Sometimes I work on fresh applications, sometimes on change requests, some times on Test defects and production issues. Even customer adhoc request answered on the fly.

If the work is done, delivering the required documents to the customer through their required communication channel [Web portal/ versioning tool / email/ shared folder]

PROFESSIONAL SUMMARY AND INDIVIDUAL PROJECT RESPONSIBILITIES

PROFESSIONAL SUMMARY
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-- FOR MORE AND LATEST PLEASE CONTACT VINAY SIR ----------------

1.   Analyze and discuss the adaptations (client requirement) prepared by the functional team. Clarifications and conclusions follow.

2.   Work on various Business and Technical documents (Business Map, Business Change , Unit Testcase ,High level etc...)

3   Focused on Truncate & Load ,Incremental (includes SCD) and Change Data Capture Loading by using various Packages.

4.   Experienced in creating simple, medium and complex packages by using normal and Fast load options

5.   Working with Loop containers to continually repeat operations,Seqence container for transactional operations.

6.   Extensively worked on Data Flow task various sources,transforms(Derived,Lookup,Conditional Split,Sort,Merge ectc...) and destinations.

6.   Used Execute SQL task,Script task and Execute Package task when required.

7.   Implementing error handling ,branching,check point operation ,configurations and parameterization.

8.   Created simple ,Medium and complex reports based on Business Report Design documents.

9.   Using variables,parameters and various expressions to implement business logics.

10.   Using various visualizations such as Table,Matrix,Chart,List ,Indicator etc...

11.   Creating Drill Down , Drill through and Parameterized reports

8.   Participated in the bottlenecks elimination of various packages ,reports and implemented tuning standards.

6.   Experienced in writing queries by using SQL commands, keywords, functions, Sub Queries and joins ,procedures etc...

9.   Reviewed & Tested packages and reports (Unit test ,Report test and Reconciliation).

11.   Maintained versioning in Version Tools such as TFS ,Sharepoint Server etc...

12.   Acquired good knowledge on Data Warehousing and Data Model Fundamentals.

13.   Attended trainings on MSBI2014 version.

INDIVIDUAL PROJECT RESPONSIBILITIES
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--FOR MORE AND LATEST PLEASE CONTACT VINAY SIR-----
- As an Associate I involved in getting documents, understanding, analysing documents, creating packages and queries according to those.
- In case of changes we follow CR document procedure of the client
- Different types of Data Loading (Direct, Incremental, SCD Type2 et...) implemented using packages and used configuration files.
- Handled, reported errors in error tables and files.
   Using lookup ,derived, sort ,merge ,oledb command etc... transforms , various containers and tasks at control flow level.
- Written SQL queries and delivered results as per the client requirement
- Writing various queries (duplications, tops, aggregate operations etc...) as part of reconciliation and business logics Validation.
10.   Used Sql commands and queries to monitor ,reconciliate and manage packages.
- Performance tuning of packages when necessary.
- Adhoc and Unit testing for packages.