TIBCO:

Tibco makes an integration server software program for companies. An integration server permits a corporation to combine packaged packages, custom software packages, and legacy software programs to be used all through internal and outside networks.

Active Enterprise is Tibco's integration server package that supports both message-bus and hub-and-spoke integration server models. The message-bus model connects the different applications to a common backbone using application adapters. The hub-and-spoke model connects all applications to a central server. Tibco's latest addition to Active Enterprise is Business Works, which uses Web services technology.

Tibco is a software program editor, that sells and combine more than one software kinds, specifically targeted spherical Integration, especially:

- Enterprise Service Bus – (ESB)for enforcing SOA structure: Tibco Active Matrix Business Works, however additionally all of the adapters and adapters/connectors that allow Business Works to connect with one of a kind with precise protocols/systems (databases, SOAP net services, RestFul internet offerings, Corba, Edifact, ..).

- BPM: Business Process Management: dealing with manual duties and complex architectures at the same time as imposing a Business Process Manager, with gear like Tibco Active Matrix BPM or Tibco iProcess.

- MDM: Master Data Management, for statistics sync at some stage in particular systems, in particular, Customer associated statistics and product-associated records (catalog).

- **Messaging:** Tibco EMS (Enterprise Messaging Service), implements a robust JMS messaging carrier with high reliability and low latency. Tibco Rendezvous is also any other tool that we can position in this segment.

- **Event Processing:** Tibco Business Events is supposed to govern complicated activities across a couple of systems.

Architectural benefits of Tibco:

- Easy to create new subsystems

- Easy to move subsystems

- Easy to develop applications

- Easy to maintain and change applications

- Highly scalable

- Location transparency

- Error management

Course Content:

EAI concepts:

- Introduction to Integration and EAI tools

- EAI tools in the market

- What is TIBCO?

TIBCO:

- TIBCO Runtime Agent(TRA)

- How TIBCO supports EAI

TIBCO Business Works:

- Introduction to Business works

- Installation of TIBCO

- Overview of TIBCO designer and Tester Utility

- Working with palettes with complex Transformations

- FILE

- XML

- PARSE

- HTTP

- JDBC

- SOAP

- WSDL

- XML tools

- XML activities

- GENERAL Configuration palette

- JMS palette

- Java palette

- Overview of Grouping and its usage

- Overview and usage of various variables in TIBCO BW

- X path formula builder

Web Services:

- Introduction & Architecture of JMS

- Overview of EMS

- Message mode

- Topics / Queues

- Difference between Topics & Queues

- Creation of topics/queues

- Bridging topics

- Persistence and non-persistence

- Durable/non-durable

- EMS Examples

- Creating Bridges

TIBCO Adapters:

- ADB Adapter with example

- MQ Series Adapter with example

TIBCO Rendezvous:

- Introduction to Rendezvous

- Rendezvous Architecture

- Types of messaging

- Reliable messaging & certified messaging

- Rendezvous Examples

- Publish/subscribe, Point to Point, multicast messaging

- Distributed Queue

- Fault Tolerance

- Rendezvous routing Demon (RVRD)

- Rendezvous Agent (RVA)

TIBCO Administrator

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