



Application/Data Distribution Design

This deliverable describes at a high-level the placement of applications and data required to support the business architecture. Whenever applications and data need to be distributed across more than one physical location or platform, use this deliverable to provide the delivering teams with a common approach.

| | | |
|---|------|------------------------|
| I. IPT Name: | | |
| II. Deliverable Name: Application/Data Distribution Design | | Date Completed: |
| III. Contact Information | | |
| | Name | Channel Unit |
| IPT Sponsor | | |
| Channel Task Manager | | |
| CIO Task Manager | | |
| Contractor Task Manager | | |
| IV. Task Order Number: | | |

Description

The Application/Data Distribution Design is made up of the following deliverables:

- Application Distribution Approach
- Data Distribution Approach



Application Distribution Approach

The Application Distribution Approach describes where applications run and are managed. The deliverable is communicated through an Application-Location Matrix. Use this deliverable to document where the development, execution, and operation environments need to support applications.

Add further detail by showing the number of users of the particular application at the location. If necessary, subdivide the location columns by user organizational group or user type to indicate how many users of each type are using applications at each location.

It is not necessary to list every location of a single type. For example, if the project involves a chain of retail outlets that all use the same applications, only one column is required to represent the outlet type.

When producing this deliverable in a component based environment, consider the distribution of the partitioned business components in determining what locations applications are located.

| | LOCATIONS | | | |
|---------------------|-----------|--------|---------------|-------|
| APPLICATIONS | New York | London | San Francisco | Tokyo |
| Investment Analysis | Y | Y | | Y |
| Order Processing | | | Y | |
| Trading | Y | Y | | Y |
| Settlement Control | Y | Y | | Y |
| Accounting | | | Y | |
| Rerouting | Y | Y | Y | Y |
| Common Systems | Y | Y | Y | Y |

In the sample, the rows represent the applications, and the columns represent the different locations under consideration. A cell with a "Y" indicates that the application will be installed at that location.



Data Distribution Approach

This deliverable describes at a high level the locations where data will be stored, accessed, maintained, and managed with respect to physical geography or the organizational units within the enterprise. This document provides an approach for implementing data distribution that allows you to estimate the complexity and cost of the technology that supports the business. It also indicates where problems and bottlenecks might occur.

You may add more information to the cells (e.g., the volume of each data entity at each location type). The volumes may be represented by number of entities, space required, or both.

When using this deliverable in a component environment, attention must be made to the distribution of the partitioned business components. This may effect where certain data may be located.

| DATA | LOCATION | | |
|---------------------------|----------|----------|-------|
| | Central | Regional | Local |
| Account | Y | | |
| Authorization | | | |
| Broker | Y | Y | Y |
| Sponsor | Y | | |
| Commission | | | Y |
| Commission Type | | | Y |
| Market Statistics | | | |
| Portfolio Manager | | | Y |
| Trade Order | | | Y |
| Transaction | | | Y |
| Transaction History | | | Y |
| Transaction Posting Rules | | | Y |
| Transaction Type | | | Y |

In the sample, the rows represent data entities, the columns the different types of location under consideration. A cell with a "Y" indicates that data will be installed at that location.