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# Architecture Roadmap

Architecture Roadmap is one of the TOGAF deliverables you can create with the [TOGAF software](#).

The Architecture Roadmap lists individual increments of change and lays them out on a timeline to show progression from the Baseline Architecture to the Target Architecture. The Architecture Roadmap forms a key component of Transition Architectures and is incrementally developed throughout Phases B, C, D, E, and F within the ADM.

The purpose of this document is to define one or more architecture roadmaps for the relevant domain/sub-domain.

Note: The roadmap may also need to be synchronized with wider program/project plans or more strategic roadmaps.

Note 2: The role of the current planning functions will determine the level of detail and breadth of information on the architecture roadmaps.

Note 3: Care should be taken to minimize the duplication of effort and content in order to produce plans/roadmaps.

## Step 1: Determine/Confirm Key Corporate Change Attributes

### Perform an implementation factor assessment

Study the requirements and gaps identified in phase B, C and D, and then deduce implementation factors by completing the Implementation Factor Assessment.

In phase B, C and D you have developed the target Business, Data, Application and Technology Architectures. In this activity you have to find out the actions or constraints that have to be taken into consideration when formulating the implementation plans of the target architectures.

The screenshot shows the ArchiSurance - Visual Paradigm Enterprise interface. The main window displays the 'Implementation Factor Assessment' table. The table has three columns: Factor, Description, and Deduction. The 'Factor' column lists 'Change in Technology' and 'Consolidation of Services'. The 'Description' column provides details for each factor, including 'ArchiSurance sells directly to customers via web, email and postal mail channels' and 'One-stop-shop customer support contact point for customer'. The 'Deduction' column lists the resulting actions, such as 'Need for personnel training, re-assignment' and 'Integrate three customer service departments into one unified Customer Support Department'.

Factor	Description	Deduction
Change in Technology	ArchiSurance sells directly to customers via web, email and postal mail channels) Shut down the message, saving 700 personnel, and have them replaced by email and web	Need for personnel training, re-assignment Email has major personnel savings and should be given priority
Enter input here.	Provide web online sales and application (ArchiSurance sells directly to customers via web, email and postal mail channels)	Close retail sale centers Save customer's traveling time Indirect sale channels through intermediaries
Consolidation of Services	One-stop-shop customer support contact point for customer	Integrate three customer service departments into one unified Customer Support Department Improvement customer satisfaction
Enter input here.	Unified back-end systems	Use standardized forms and share corporate data
Enter input here.	Unified Form and claims handling	Improve data consistency Save time for process claims and reduce the response time for case handling.

## Step 2: Review and Consolidate Gap Analysis Results

### Fill-in the Consolidated Gaps, Solutions, & Dependencies Matrix

Gaps are the differences between the baseline and target architecture. Fill in the matrix of gaps and solutions. Here are the information to enter for each row:

- **Architecture Domain:** Architecture domain like Business, Application or Information.
- **Gap:** Description of differences between the baseline and target architecture, for instance, an integration of CRM systems.
- **Potential Solutions:** The possible measures to take in order to address the gap.
- **Dependencies:** Determine the dependencies between domains by considering the relationships of elements in the different architectural domains.

ArchiSurance \* - Visual Paradigm Enterprise

Dash Project ITSM Agile Diagram View Team Tools Modeling Window Help

... Review and Consolidate Gap Analysis Results Gaps and Solutions

B F

Open Reference

Gaps and Solutions

Consolidated Gaps, Solutions, & Dependencies Matrix

Architecture Domain	Gap	Potential Solutions	Dependencies
Business	Integrate Front-End CRM for three Organization Units	Use COTS CRM to replace the existing one	Drivers application, information and non-IT factors in (2) (3) & (4) accordingly
Application	The new CRM needs to support issue to be sent to the back-end system	Issues must be able to forward for the back-end to automate manual processes	Enter input here.
Information	Consolidate Customer information base	A share data wrapper integration is needed for retrieving customer records from different databases	Enter input here.
Staff Training	The knowledge for operating the new UI, and consolidated operations for the new unified CRM	Vendor software training course, Internal skill transfer seminars	Enter input here.

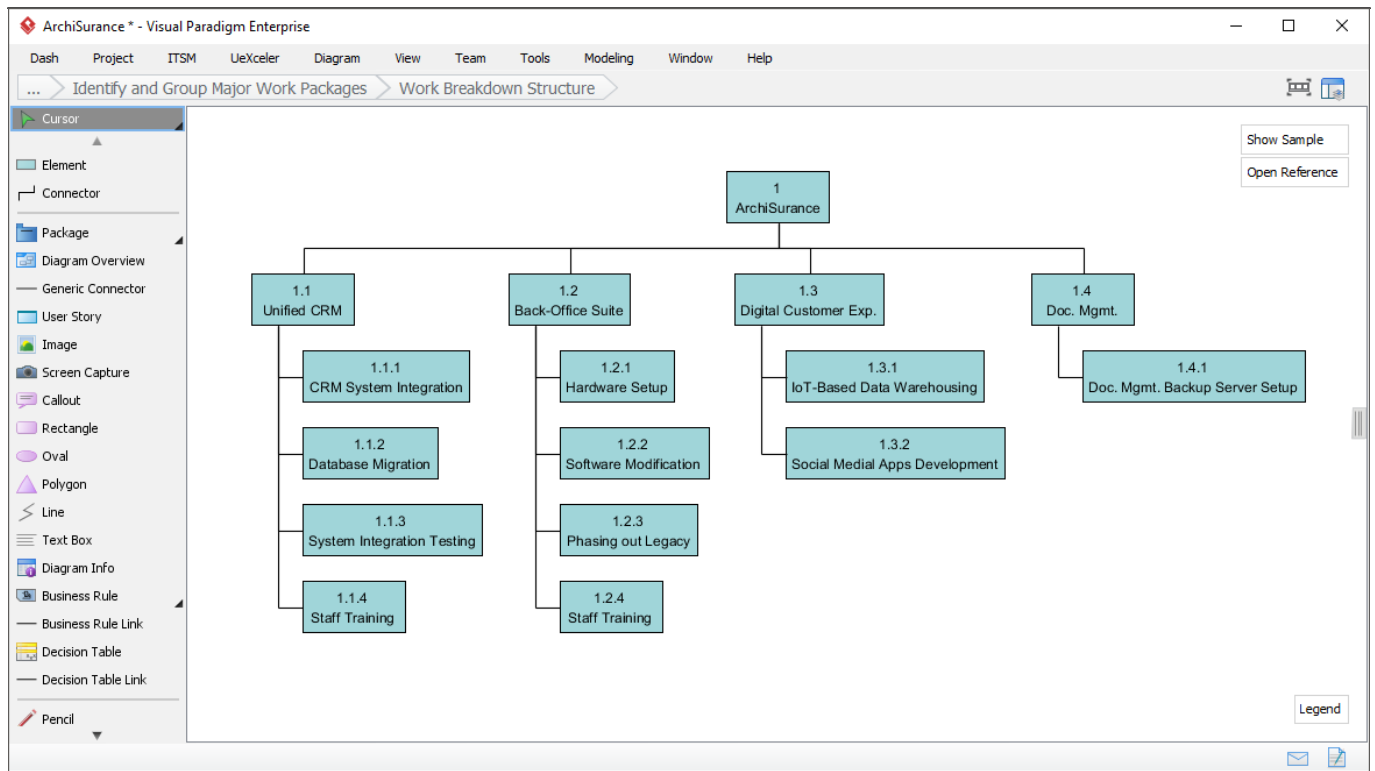
Finished. Back to Process Steps.

## Step 3: Identify and Group Major Work Packages

### Identify projects and work packages with a work breakdown structure diagram

Identify and organize major project activities as work packages, with the use of Work Breakdown Structure (WBS).

The Work Breakdown Structure (WBS) is a hierarchical description of the work that must be done to complete the deliverables. Each descending level in the WBS represents an increasingly detailed description of the project deliverables.



## Complete the WBS Dictionary

The Work Breakdown Structure Dictionary (WBS Dictionary) lists all the WBS elements involved in a project. Each WBS element has a definition which can be thought of as a mini scope statement.

In this step, you are required to enter the definition of each of the WBS element created in the Work Breakdown Structure.

## Detail the work packages

Detail the work packages, which are project activities extracted from the lowest level of branches in Work Breakdown Structure. In this step, you are required to complete the work package portfolio by entering the followings details for each work package:

- **Definition:** Description of work.
- **Deliverable(s):** The result of completing the work package. It can be a part of a project deliverable (e.g. a feature), or in form like a document or report.
- **Cost:** The expenditure of this work package.
- **Resource Needs:** Resources need to complete this work package.
- **Milestones:** Major events in the work package, such as the planned start and completion of work, date of review or any important meetings.

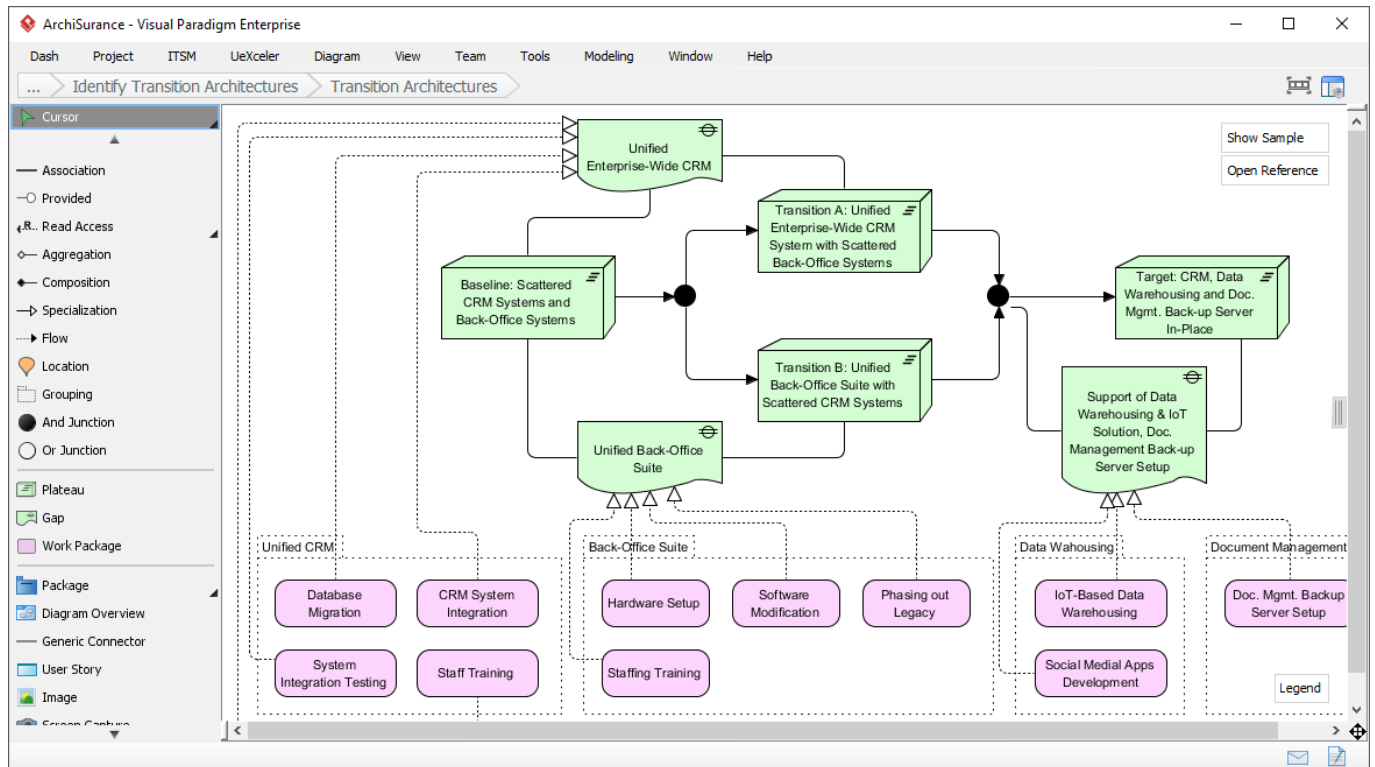
## Step 4: Identify Transition Architectures

### Draw a diagram to show the baseline, target and transition architectures (if any)

Identify and model the Transition Architectures needed. This activity involves the identification and modeling of Transition Architectures, and to model the architecture outcome for each

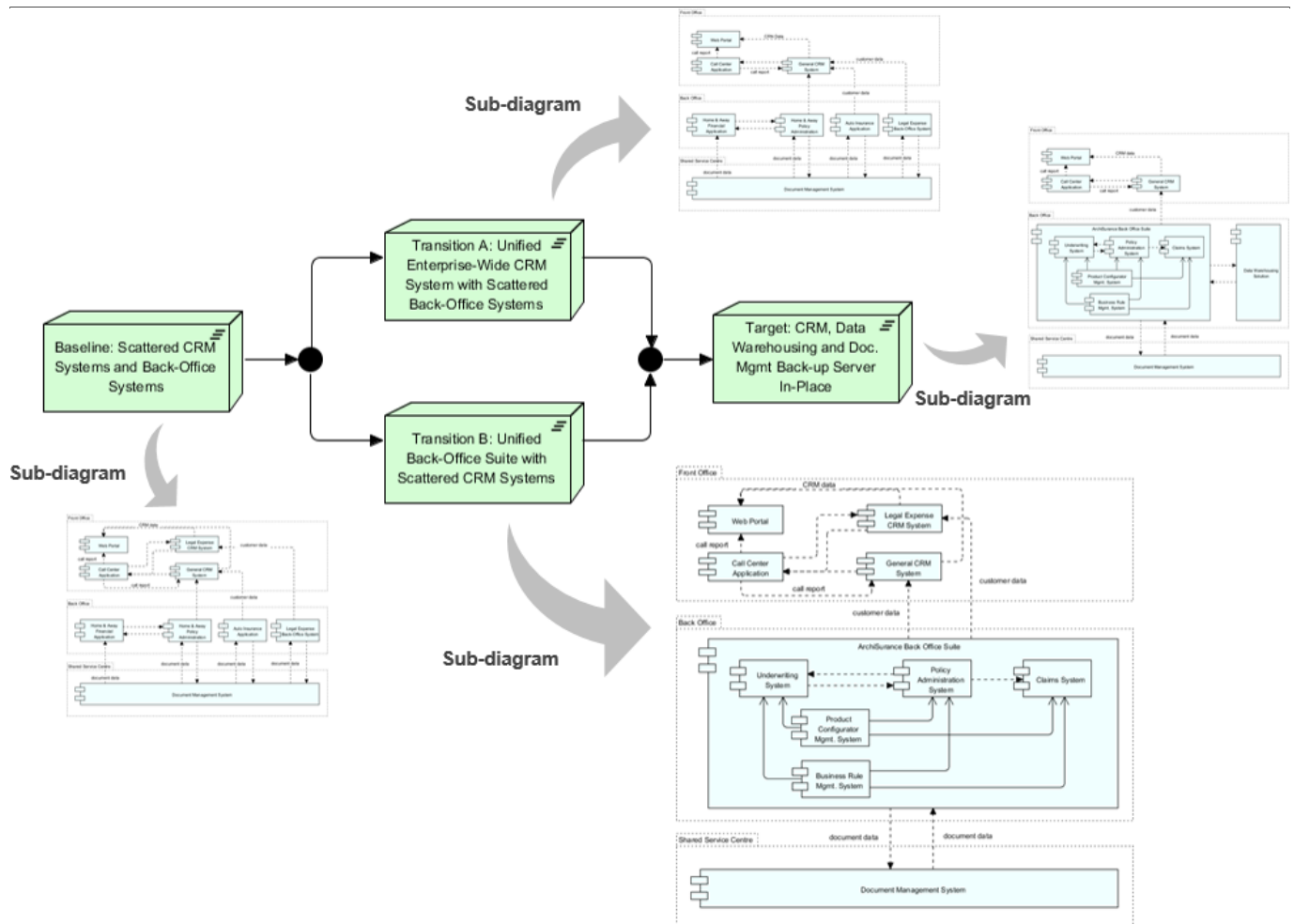
Transition Architecture. This step requires you to perform the followings:

1. Draw an ArchiMate diagram to outline the roadmap. Show the various architecture plateaus (Baseline, Target and any Transition Architectures) and their arrangement.
2. Bridge the plateaus with gaps (shapes). The gaps refer to the gaps identified in gap analysis. Therefore, name them based on the result of gap analysis.
3. A set of work packages have been visualized for you. Associate them with the gaps to represent the architecture work required to perform and complete for each of the architecture states.



## Model the architecture outcome for each architecture state

You have created a roadmap that shows the migration from Baseline to Target Architecture. In this step you are required to model the Architecture outcome for each of the Baseline, Target and Transition Architectures.



**Draw a transition roadmap that shows a timeline of the progression from the baseline to the target architecture**

Present the scheduling of work packages in a migration roadmap, which in turns presents a timeline of the progression from the Baseline Architecture to the Target Architecture. Part of the roadmap (diagram) has been created for you based on the work packages and Transition Architectures identified. Perform the actions below to complete the diagram:

1. Configure the timeline in the roadmap by providing a start date and specifying the project. Configuration can be made by right clicking on the timeline and selecting **Configure...** from the popup menu.
2. Drag on the edge of the work package bars to adjust their start and end dates.
3. Position the vertical Transition Architecture bar(s) based on their planned delivery dates.
4. [Optional] Indicate any major milestones below the timeline. To do this, right click on the timeline and select **Add Check Point Here** from the popup menu, and then give it a meaningful caption (e.g. Interim Review).
5. [Optional] Indicate the date when investment/funding will be made. To do this, right click below the check points region and select **Add Investment Point Here** from the popup menu, and then give it a meaningful caption (e.g. Initial Funding).
6. Review and touch-up the captions as desirable (e.g. To give a meaningful name to the diagram)

