Archive – Technical Training

Autodesk Topobase Client

Autodesk Topobase™

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Chapter Overview

- Chapter teaches you how jobs help manage workflow in a multi-user setting.

- Use *states* to edit, review, and quality-check data.

Topobase Jobs

Chapter Objectives

By the end of this chapter, you will be able to:

- Explain how multiple users can edit data.

- Explain what a job is.

- Create a job and edit data in a job.

- Make job changes Live.

- Lease job data to other applications.

- View historical states.

13.2 What Is a Job?

- Jobs allow the management and control of editing and updates by multiple users for an Autodesk Topobase 2009 feature class.

- A job enables you to select an area that is being built or modified, keep the modifications separate from production data, and enforce an approval process for completed jobs.

- When completed, all jobs are maintained on a historical basis and can be rolled back to provide a view of your data at any point in time.
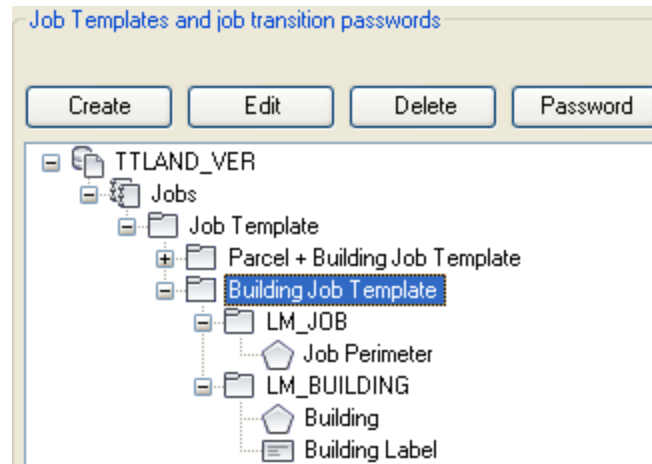
7.2.1 Administrative Preparation

Job-enabling a document

- Job-enabling a document means that the document can work with different versions of the data

- In this step, the administrator will decide the right locking settings:
  - <u>Pessimistic</u> Feature <u>Locking</u>: a locking type where a feature can only be modified in one job (recommended).
  - <u>Optimistic</u> Feature <u>Locking</u>: a locking type where a feature can be modified in diverse jobs.

- The job settings can also include a polygon feature class to store the job perimeter. This perimeter defines the working area of each job.

7.2.1 Administrative Preparation +

Job templates

- The administrator defines job templates.

- A job template specifies a selection of job-enabled feature classes which can be processed in a job.
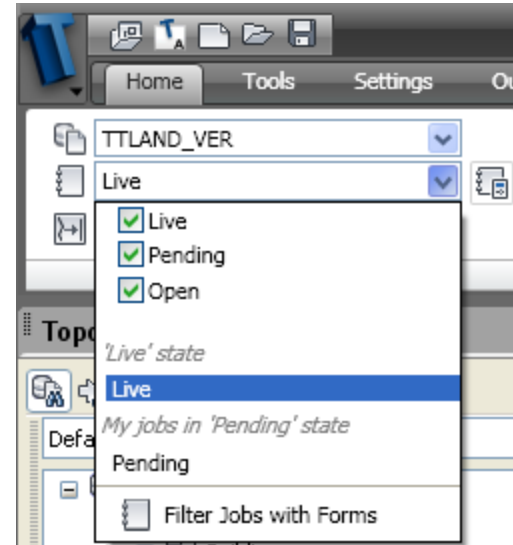

- You see only the job templates that have been allocated to your user group by the administrator. These templates have to be used to create jobs.
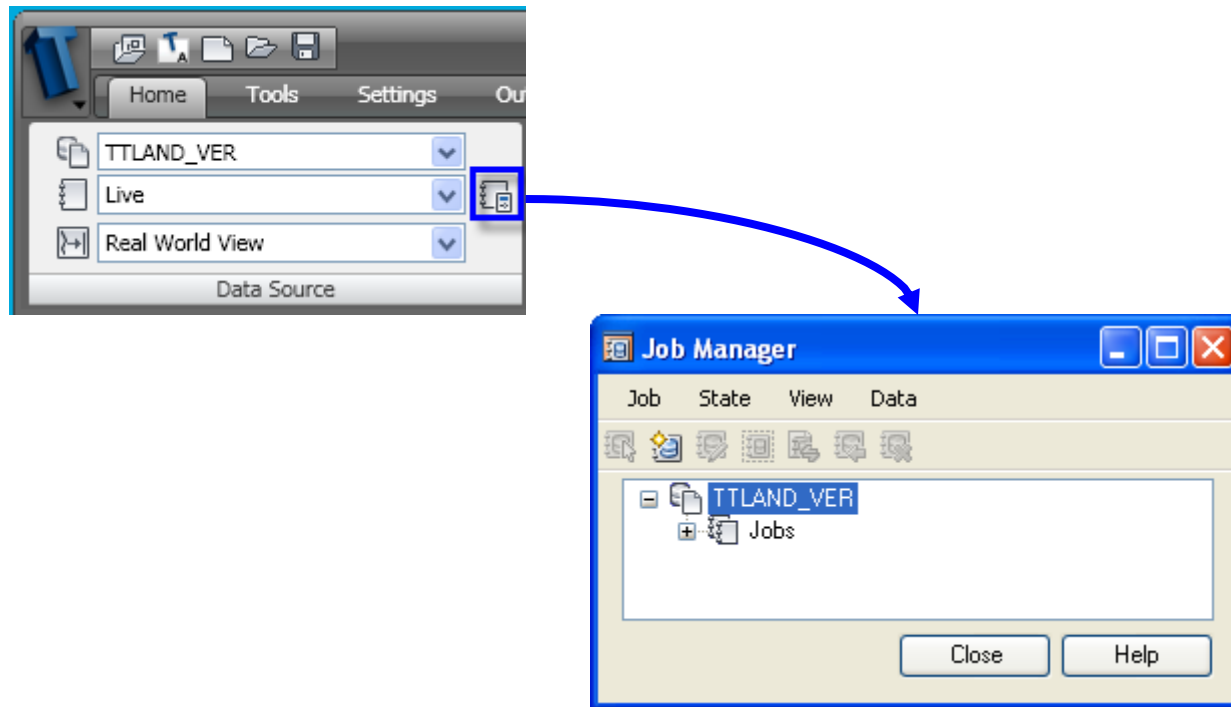
7.2.2 Job States

- Data can be changed only in a job; all data outside jobs are read-only.

- In Topobase Jobs, data can be:
  - **Open**
  - **Pending**
  - **Live**

- Changing the job states can be restricted with passwords.

7.3.1 Job Toolbar

- The Jobs Toolbar offers functions to select jobs to work with.

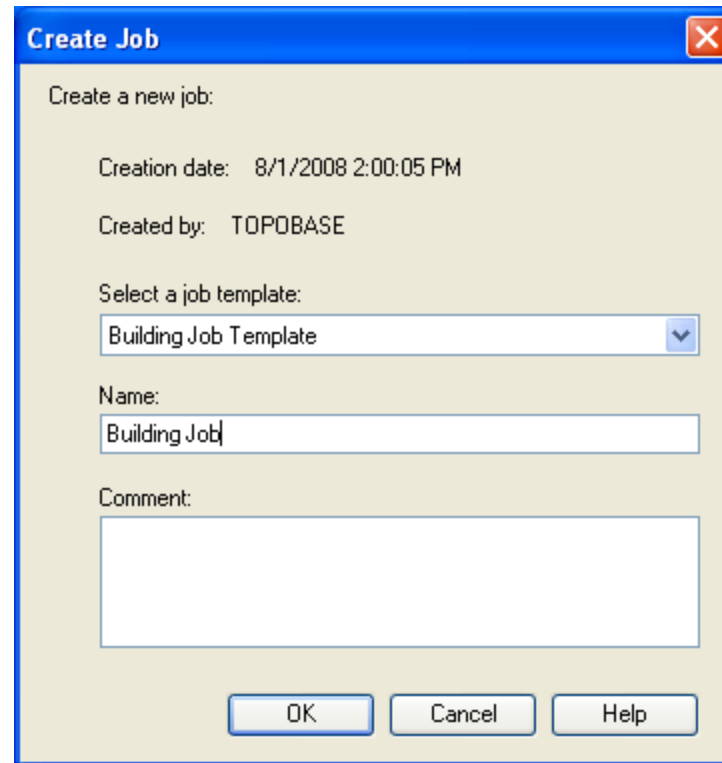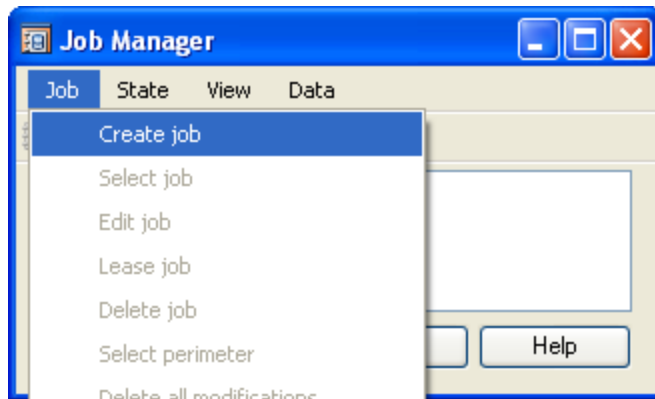- It is only visible if the document is job enabled.

7.3.2 Job Manager

7.3.2 Job Manager **+**

Icon/Menu	Description
Toolbar Functions:	
	Make the selected job to current job.
	Create a job.
	Edit a job.
	Select a job perimeter.
	Change the job state.
	Cancel all modifications of this job (rollback) without deleting the job. This command is available for open jobs only.
	Delete the job: To cancel all modifications and delete the job.
Additional Menu functions:	
Job>lease Job	Lease the selected job.
State> change state	Change the job state.
State> change state per Topic	Change the job state per Topic.
View> Sort by state/date	Select the list order in the explorer.
Data>Historical View	Show historical views. To show the data as it has been at a certain date, for example a year ago.

7.4 Creating and Using a Job in Topobase Client

- The usual workflow using jobs is:

    - Creating a Job.

    - Selecting a Job.

    - Working with the job: Editing features.

    - Changing the job state to Pending.

    - Validating and approving the changes.

    - Changing the job state to Live.

7.4.1 Creating a Job

7.4.2 Defining the Perimeter

- Click the **Job Manager** ( ). Navigate to "Open" in the document tree. Mark **Building Job** and click the **Select Perimeter** icon ( ).

- The Select Perimeter form displays two combo boxes, offering you two different methods of selecting a perimeter:

  - **Create perimeter from topology**.

  - **Create perimeter from polygon**.

7.4.3 Modifying Data

Delete features

- Remove buildings with in the Home tab, Quick access pane

Undo changes

- In Job Manager form right-click the job, and then select **Delete some modifications** from the shortcut menu
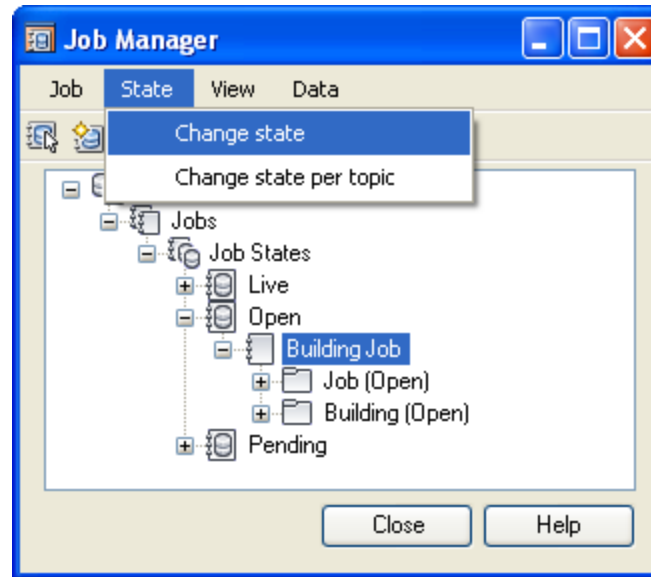
Explore the job

- Click Job Explorer in the Topobase Pane

Set selected features Live

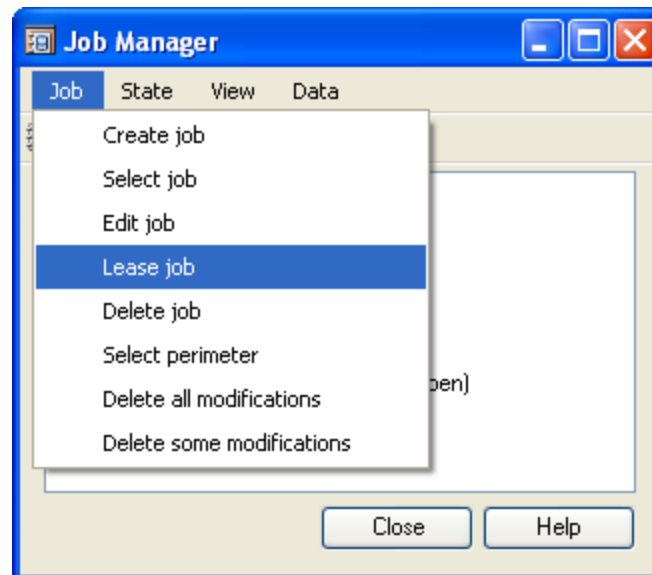- Click 'Merge selected features to Live Job'

7.4.4 Changing Job State

- To change the state, open the Job Manager form as described above and select **State** menu **> Change state**.
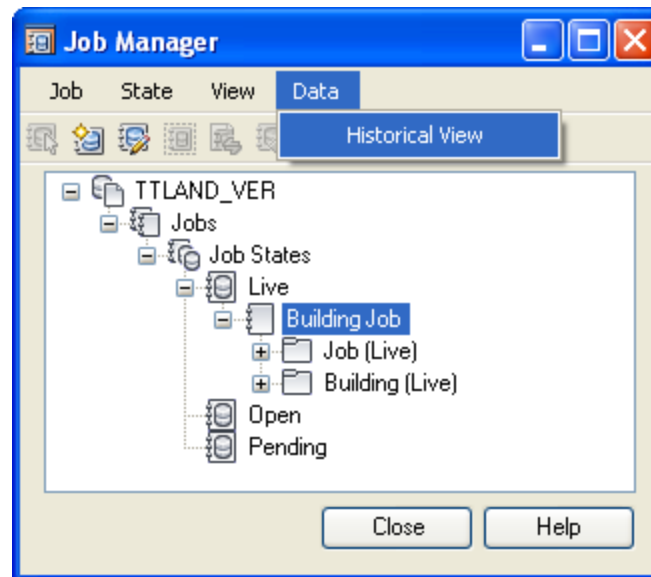
7.5 Job Leasing

- If you want database changes made in an Open job to be visible to other applications, you can permit this by *leasing* the job.

- To lease a job, open the Job Manager form, select the job and select **Job** menu **> Lease job**.

7.6 Historical View

- Autodesk Topobase 2009 can provide you with a historical view of the data, with which you can go back to view versions from any date in the past.

- To see a historical view, open the Job Manager form, and then select **Data** menu **> Historical View**.

7.7 Chapter Summary

- You should now be able to:

  - Explain how multiple users can edit data.

  - Explain what a job is.

  - Create a job and edit data in a job.

  - Make job changes Live.

  - Lease job data to other applications.

  - View historical states.

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