

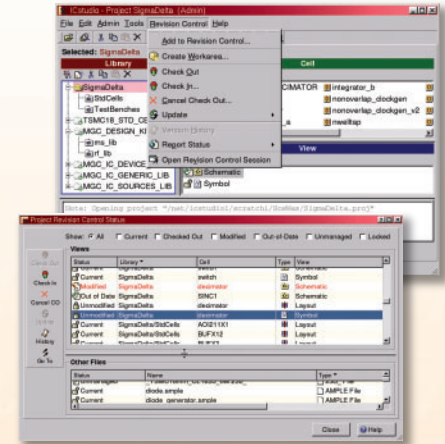
SOS vialCstudio - DM for Mentor ICstudio

SOS vialCstudio is the only design data management solution available for Mentor Graphics' ICstudio. ICstudio seamlessly integrates with the SOS Design Collaboration platform to streamline development of complex ICs with large teams across geographically dispersed sites.

SOS vialCstudio empowers project teams with new levels of data collaboration by providing access to SOS data management and collaboration features directly from Mentor Graphics' ICstudio. SOS DM features can be readily invoked from ICstudio's revision control menu.

The relationship between the logical design units and physical files is very complex, known only to the design tool and may change with each revision. However, with this tight integration, designers can work with logical design units such as libraries, cells, and views without thinking about the co-managed set of physical files that make up these logical design units. Cell views are automatically checked out 'just in time' to further simplify the data management experience.

This integration is the result of a joint development project between Mentor Graphics and ClioSoft.



ClioSoft DM in Mentor ICstudio



| Features | Benefits |
|--|---|
| Built on SOS Design Collaboration Platform | Efficient multi-site collaboration. Manage all project data from concept through tapeout in one integrated system. |
| Manage Libraries, Cells, Views | Work at the abstraction levels of libraries, cells, and views and let SOS vialCstudio deal with the co-managed set of physical files that make up these design objects. |
| CellView as Composite Object | Multiple physical files that make up a logical cell view are maintained as a single composite object in SOS, ensuring that DM operations on the design unit are atomic and efficient. |
| DM from ICstudio | Work within the familiar Mentor IC design environment and access DM commands conveniently from the ICstudio GUI. |
| Auto Check-out | Cell views are automatically checked out when opened for edit making DM operations a seamless part of the workflow. |
| Links to Smart Cache | Workareas with symbolic links to smart cache minimize disk space without compromising workarea stability. Ideal for projects with large teams and big libraries. |
| DM for Design Hierachy | Easily perform DM operations on a design hierarchy. For example, hierarchically check-out or tag all the logic views of a higher level cell. |
| Integrated by Mentor Graphics | Integration from ICstudio to SOS was developed by Mentor Graphics using the SOS programming API. This joint development ensures that design units are correctly managed. |

"Through close cooperation between ClioSoft and Mentor Graphics, this integration of the SOS Design Data Collaboration Platform into Mentor's ICstudio Flow provides a seamless and intuitive end-user experience. Large globally distributed design teams can now deploy a robust methodology for design collaboration."

**Avi Gupta, Director of Marketing,
Custom IC Design, Mentor Graphics**