

Expanding Galaxy Interoperability via Milkyway C-API

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MAP-in Program Recap

- Basic Membership Requirements
 - Commercial software tool vendor
 - Agree to MAP-in license
- No Membership Fee
 - First copy of Milkyway at no charge.
 - Additional copies of software available for \$5.1k/yr from MAP-in program manager
 - NOW includes C-API source header files and link library object
 - Access to SURF on available/approved basis
 - MAP-in web forum for community support
- Optional annual support contract for \$95k

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Milkyway Components

(Released in February 2003)

- Milkyway Database
- ASCII file readers/writers
- Basic GUI/Editor
- Extension Language API
 - Extension of Synopsys' environment
 - Interpreted development environment

Milkyway Environment

Milkyway Design Database

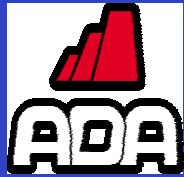
Scripting & API Access

Std. ASCII File I/F

GUI Editor

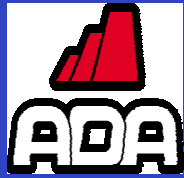
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MAP-in Licensees, 2/03



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MAP-in Licensees, 9/03



Active Product Development

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Milkyway C-API

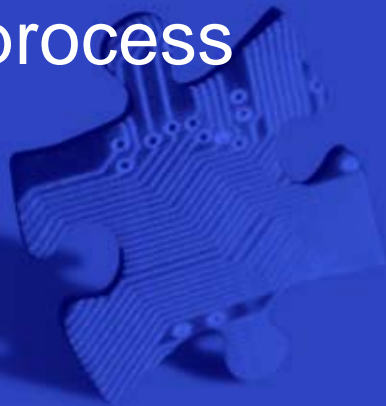
- C-API direct to Milkyway database
 - Standard C development environment
 - API source header files
 - Static-linkable Milkyway C library object
- Third-party application environment



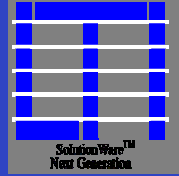
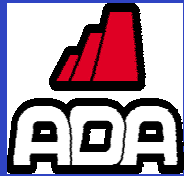
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C-API Benefits

- Greater flexibility than Scheme for application development
 - More complex data types in C
- Higher performance for complex interactive or repetitive operations
- Fits in to standard C or C++ development process



MAP-in C-API Early Developers



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Summary

- The C-API for Milkyway offers new Galaxy interoperability options for EDA tool vendors
- Commercial EDA tool vendors are investing in interoperability with Galaxy and Milkyway today
- Synopsys continues to lead the industry in practical interoperability



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