MethodicsIPLM

PERFORCE

IP Management and Collaboration For Faster Chip Design

Methodics IPLM is a comprehensive IP lifecycle management platform. It offers complete control over the design and integration of both internal and external design elements, providing full traceability. Methodics IPLM accelerates the release process, streamlines workspace management, and provides a single source of truth for BoM creation and management.

Key Features

- Automated release management, including hierarchical releases and bad release rejection.
- Workspace tools that improve design efficiency and enable collaboration.
- IP-centric view of standard DM solutions and bill of materials (BoM).
- Centralized IP catalogs, permissions, and notifications.
- Next generation alias management to streamline collaboration and SoC integration.
- Advanced caching and data distribution to eliminate network latency, reduce workspace creation time, and reduce disk-space.
- Reproducibility of key events in the design timeline.
- Integrations into engineering systems, like requirements and defect management.

IP Object Management

Methodics IPLM manages IP as atomic elements in the design process. This allows IP to be built up in a hierarchical manner.

A project consists of many types of IP and other digital assets. Methodics IPLM understands all of these, including new design elements, derivative design elements, libraries, and more.

With unique IP object management, Methodics IPLM delivers clarity and productivity to the design process that was never before possible.

Seamless Integration

Methodics IPLM seamlessly integrates with industry standard tools, including Perforce Helix Core for data management. And, it integrates with other data management, bug tracking, requirements management, and continuous integration tools.

Consequently, Methodics IPLM can leverage the continual improvements in performance, scalability, and features of these platforms. And, Methodics IPLM can adapt these technologies to the needs of the IC designer.

Realtime Workspace Creation

Methodics IPLM's advanced IP and data caching infrastructure creates workspaces in real time, linking to locally cached data. So, when a designer needs to edit data, a local copy is maintained.

As a result, Methodics IPLM dramatically reduces setup time from hours to seconds — and decreases data storage requirements.

Single Source of Truth For BoM

Methodics IPLM provides a single source of truth for creating and managing bills of materials (BoMs).

In addition, it also provides a versioned, hierarchical BoM for hardware, software, and the platform. BoM compatibility checks allow you to specify which range of hardware IPs that a software component is compatible with. So, if a hardware team upgrades, Methodics IPLM will flag compatibility mismatch.

Release Automation

The most critical and potentially complex part of design is deciding when a block is ready to be used by others.

Methodics IPLM automates this release process, providing hooks for both prerelease and post-release actions. A design will only be added to the catalog and made available to others once a successful release has been completed.

Also, Methodics IPLM includes hierarchical release mechanisms. These automate the release of IP blocks in the correct order based on design dependencies. This ensures that you won't risk errors of manually releasing a design.
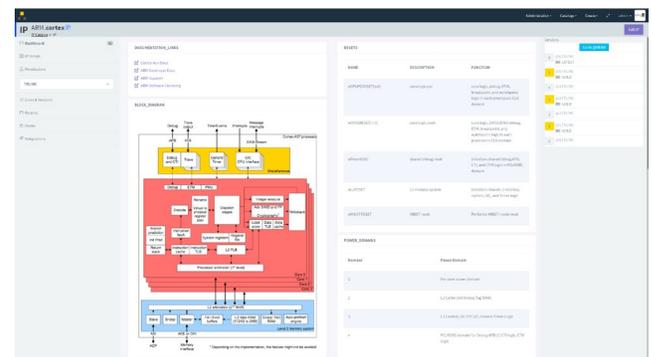
Collaboration Made Easy

Methodics IPLM makes it easy for design teams to collaborate, regardless of team size or location. It offers shared workspace configurations, IP-centric bug tracking, and advanced data and advanced alias management.

Team members can easily reproduce any issues. And changes are synchronized between all team members.

Centralized IP Cataloging and Tracing

Methodics IPLM centralizes your IP catalog. The catalog is automatically updated as new versions of the IP are made available, as well as when new designs use this IP. In addition, the catalog supports user defined fields to ensure it fits seamlessly into your existing methodology.

Plus, Methodics IPLM creates fully traceable design from requirements through verification.

And Many More Features

Other Methodics IPLM features include:

- Notifications, permissions, and conflict management.
- Hierarchical defect tracking.
- Advanced analytics.
- Clients that fit your needs — native, command-line, or web.
- Customizable and expandable (RestFUL API).

Get Started With Methodics IPLM

If you would like to start using Methodics IPLM, get in touch with one of our IP experts today.

perforce.com/products/methodics-iplm/talk-expert