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Arm IP Explorer

Platform overview for Partners

Explore. Design. Share.

May 2022

Outline

1 Overview + Why Arm IP Explorer

2 Getting Started with Your SoC Design

3 Collaboration + Find the Best Design Partner

4 Getting Access & Resources

5 Platform Support & Roadmap

Explore, Design, and Share with Arm IP Explorer

Discover

Translate project requirements into the right CPU from Arm

Search

Search Arm's full catalog of IP and view in-depth specifications

Compare

Compare different pieces of IP based on a holistic set of attributes

Configure

Configure your selected IP to meet specific needs

Simulate

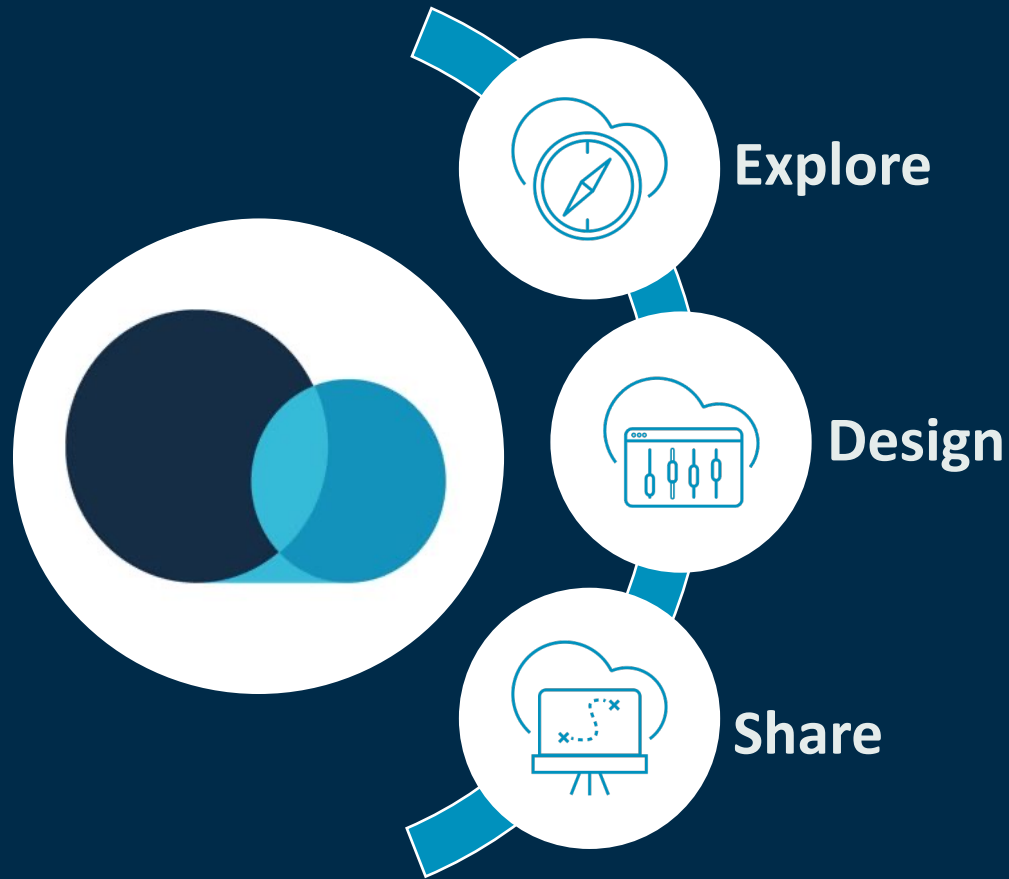Run simulations using industry benchmarks or your own code

Create Block Diagram

Use the canvas to draw & validate your block diagrams

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Why Arm IP Explorer?

Explore

Design

Share

Increase Efficiency & Productivity

- Get started quickly with easy access to all the information you need.
- Discover the best solution for your project and save time comparing IP.
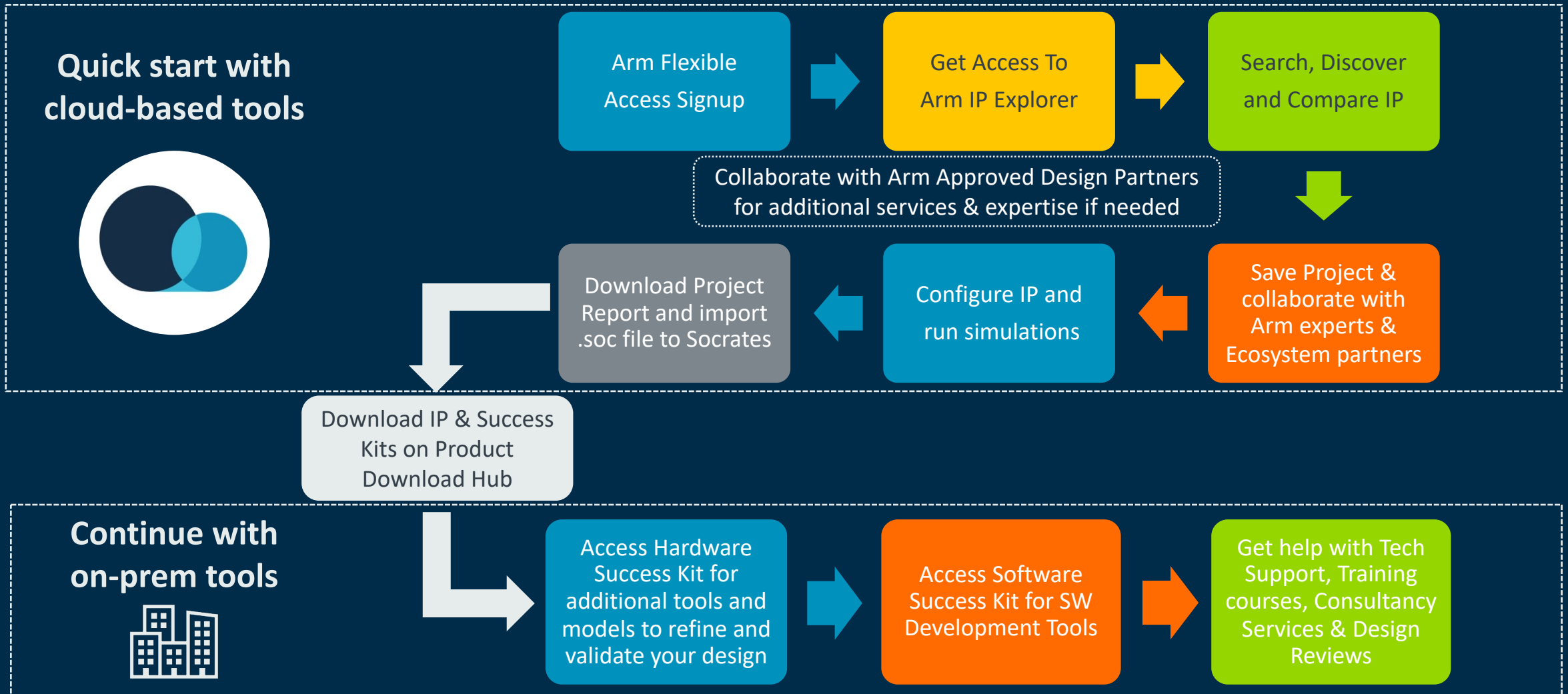- Simulate different configurations easily to benchmark performance.

Optimize Design Quality

- Configure Arm IP quickly to meet your product requirements.
- Create high-level diagrams of your SoC and check IP compatibility.
- Get expert advice from Arm's Field Application Engineers.

Reduce Cost & Time to Market

- Enable collaboration for fast access to project information.
- Collaborate and share design details Arm Approved Design Partners.
- Output your IP list with auto-generated licensing information, system diagrams, and more.

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Getting Started With Arm IP Explorer

Quick start with cloud-based tools

Arm Flexible Access Signup → Get Access To Arm IP Explorer → Search, Discover and Compare IP

Collaborate with Arm Approved Design Partners for additional services & expertise if needed

Download Project Report and import .soc file to Socrates ← Configure IP and run simulations ← Save Project & collaborate with Arm experts & Ecosystem partners

Download IP & Success Kits on Product Download Hub

Continue with on-prem tools

Access Hardware Success Kit for additional tools and models to refine and validate your design → Access Software Success Kit for SW Development Tools → Get help with Tech Support, Training courses, Consultancy Services & Design Reviews

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Continue Your Journey With Success Kits and Support Services

Tools, Models, Technical Support, Training and Other Services

Hardware Success Kit

+ Build better products, reduce risk and accelerate time to market

+ Components:
  + Socrates
  + AMBA Viz
  + IP Selection Sandbox
  + Fast Models System Creation
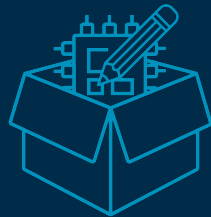
Software Success Kit

+ Access to all of Arm's Software Development Tools

+ Components:
  + FuSa RTS**
  + Keil MDK Pro
  + Allinea Studio
  + Arm Development Studio
  + Certified C Library**
  + Fast Models Run Time
  + Mobile Studio Pro

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Supporting Services

+ Get help from Arm experts via the Support Hub

+ Training available on-demand and via live, instructor-led courses
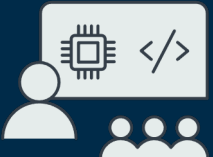
+ Other Services:
  • Design Reviews
  • Consultancy

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Project Collaboration With Your FAE

+ Projects are used to collaborate with colleagues, construct block diagrams, save IP configuration options, and store simulation results.

+ Adding an Arm FAE as a read-only collaborator on your Arm IP Explorer project is a great way to get direct feedback from experts.

+ It allows FAEs to see the IP under consideration, the proposed configuration options, and how the IP will be connected on a block diagram.

+ Collaborating with an FAE in Arm IP Explorer increases communication, shortens time to answers, and provides useful advice about new design projects.

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Find the Best Design Partner to Help You

- Need specialist design services? Arm Approved Design Partners can help you with your project

- You can find a list of Service providers in the 'Design Partners' menu

- These Design Houses have been carefully vetted through an audit process, and have proven expertise on Arm-based designs

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My Projects   Search IP   Discover CPUs   Simulate IP   Design Partners   Support

Home / Find Design Partners

Find Design Partners

Design Partner Services

Full Turnkey

Architecture definition, front end design, verification, back end design, IP licensing, manufacturing, and supply chain management

Front End Design

Architecture definition, requirements documentation, IP selection, RTL design, IP integration, and mixed signal design

Design Verification

Functional and timing verification of the RTL design prior to device tape out

Back End Design

Physical design, including mapping RTL to a specific foundry and process node, package development, and device testing

Supply Chain Support

Foudary relationship management, device packaging and testing, and delivery

Software Development

Software development for device bring-up including boot code, board support packages, and software applications.

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What Partners Said About Arm IP Explorer

*"I think it's **very useful**... having a cloud-based solution [for IP selection] is **fantastic** for us. In that sense I love the idea and it seems to be **very easy to use**."*

"It is quite useful because it immediately allows you to draw diagrams and to check compatibility. You start off using it because it allows you to identify IP, and check compatibility, but you probably want take images from that and start putting it in your architecture document as well."

*"I can take M4, I can compare it with M55 or with M7 and see the differences. So, and pointing to the correct documentation. So it is **very rich**, than I got reading the documentation. This will help us, to go ahead in the right part, with the correct documentation. So that part, **we have explored a little bit and it is very helpful**."*

*"If you know that **everything is in there**, that you like to find out, then obviously kind of a **one stop shop** makes it a lot **more attractive**. I think you'd probably spend time using this rather than hunting around finding bits and pieces in different places."*

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How to Get Access

+ Contact your Account Manager to request access

OR

+ Request access on

  ipexplorer.arm.com

NOTE: Arm Account registration required

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