



The 5<sup>th</sup> Vulkan Developer Conference  
Munich, Germany / February 7–9

# Vulkan Developer Resources

Tools, docs, educational resources and support available for Vulkan developers

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# Vulkan Developer Resources - Overview

- Three main sources for Vulkan developer resources
  - Khronos managed resources: hosted on [Khronos Github](#) and [vulkan.org](#)
  - Member contributed resources: Hosted on member Github and web sites
  - Public contributions: Many open source Vulkan-based projects on Github
- Includes
  - Dev tools: SDKs/tools/engines/libraries/language bindings
  - Learning resources:
    - Documentation
    - Tutorials
    - Case-studies
    - Sample code
    - Videos presentations
    - Blogs
  - Community: Discussion forums, Github
  - Regular updates: Vulkan.org news feed, Vulkan news letter
- See [Vulkan.org](#) website for a map of all of the above

**Vulkan is the *only open standard* modern GPU API**

- Under multi-company governance
- [Supported](#) by all major GPU vendors
- [Cross-platform](#) support reduces developer porting effort and costs
- Used extensively by [games](#) and applications

# Developing with Vulkan - the Basics

## Vulkan SDK

- Tools
- Documentation
- Validation layers
- Getting Started Guide
- And more...



## IHV Resources: Drivers, platform-specific SDKs, debuggers, profilers and more



*Note: The version of Vulkan available will depend on platform and vendor*

More information: [vulkan.org/tools](http://vulkan.org/tools)

# Jump-starting Application Development



Leverage existing open source Vulkan code via Vulkan-based:

- [Engines](#)
- [Frameworks](#)
- [Helper libraries](#)
- [Language bindings](#)

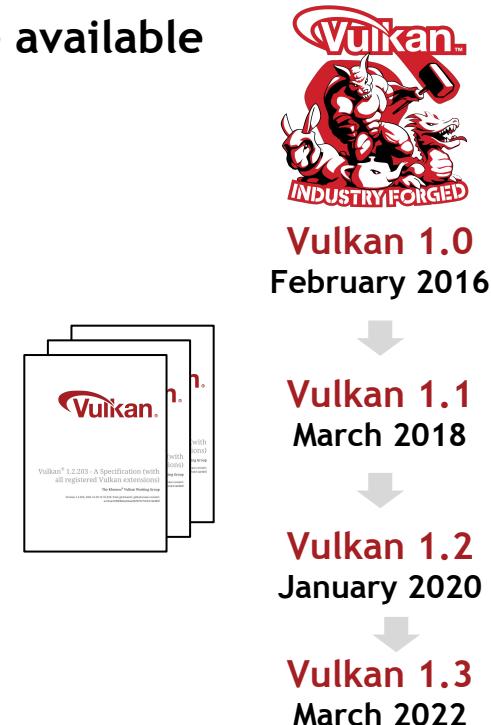


More information: [vulkan.org/tools](https://vulkan.org/tools)

# Learning Vulkan

Many Khronos and community supported resources are available for both novice and expert developers - including:

- Khronos supported
  - The [Vulkan Specification](#)
  - LunarG's [Vulkan SDK](#) (includes getting-started guide)
  - [Vulkan Guide](#)
  - [Vulkan Tutorial](#)
  - [Vulkan Sample Code](#)
  - Vulkan [Video Presentations/blogs](#)
- Vendor and Community supported
  - [Vendor best practices](#)
  - [Vulkan Tutorials](#)
  - 3rd party sample code
  - Vulkan graphics lecture series, case studies, etc.



More information: [vulkan.org/learn](https://vulkan.org/learn)

# Cross-platform support

- Vulkan Portability Initiative

- Fights platform fragmentation by enabling the consistent use of layered implementations of Vulkan functionality over Metal, DX12 and other APIs

- Porting layers

- Tools to make it easy to run popular graphics APIs on top of Vulkan



More information: [vulkan.org/porting](https://vulkan.org/porting)

# Join the Vulkan Community

Get your questions answered by the experts by participating in one of the Vulkan community discussion forums:

- Vulkan Official [Discord](#)
- Vulkan [Slack](#)
- Khronos [Github](#)
- Vulkan channels on popular technical forums ([Reddit](#), [stackoverflow](#))
- Follow us on [Twitter](#), [Youtube](#)



More information: [vulkan.org/#join-our-community](https://vulkan.org/#join-our-community)

# Contributing

**Khronos welcomes community contributions. Here's how:**

- **Khronos Hosted [Github](#)**
  - Khronos hosts and maintains several public repos for Vulkan:
    - The Vulkan spec ([Vulkan docs](#))
    - Vulkan Documentation ([vulkan\\_guide](#))
    - Vulkan samples ([vulkan\\_samples](#))
    - Many tools, layers, tutorials
  - The public community can contribute via
    - Submitting issues
    - Suggest improvements
- **[Join Khronos](#) as a Member**
  - Promoter/contributor levels: Directly influence the Vulkan spec (with voting rights)
  - Associate/Academic levels: Advise the Working Group on future evolution topics (no voting rights)
- **Contribute to the many community supported open source Vulkan projects**
  - Engines
  - Frameworks
  - Libraries
  - Language bindings
  - More information at [vulkan.org/tools](#)

# Stay Updated

Khronos provides regular updates to keep you current on the latest Vulkan developments:

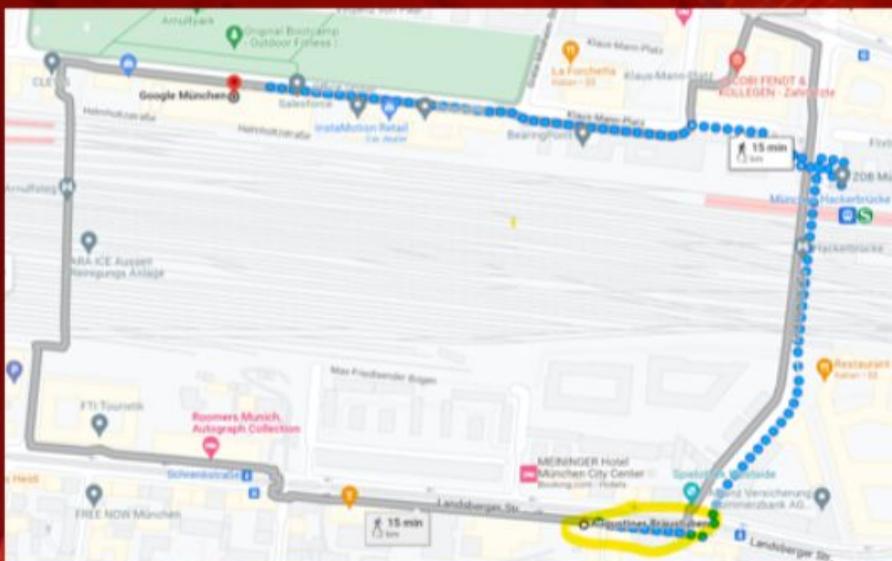
- [Vulkan News](#)
  - Hosted on [vulkan.org](https://vulkan.org)
- [Vulkan News Letter](#)
  - Sign up to our mailing list



## Welcome Reception at Augustiner Brau

(Augustiner Bräustuben)

18:00



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# Thank You!



[Vulkan.org](https://Vulkan.org)