How does it work?

Getting your software up and running on the Parallel Works platform is simple.
The platform provides turnkey cloud and HPC access. User administration and controls are built in. Our API is tested and ready to go. Here we've outlined the process for getting your software set-up and running on the platform, and the Parallel Works team is available to provide guidance and support along the way.

Step 1: Install software and license server on the cloud
Configure the preferred runtime environment using a private Docker container. Quickly install the software license and license server, as well as any other pre- or post-processing tools that may be required to run a workflow.

Step 2: Build Workflow toolkit
Build a workflow, or set of workflows, using the Swift technology to describe the dataflow and parallel processes to be deployed in the cloud. Swift is a scripting language that makes programming in parallel simple and straightforward. Our workflow templates will help you get a head-start and provide many of the the standard frameworks needed for deployment.

Step 3: Deploy
Determine preferred computing resources and deploy to the cloud. Using simple drop down menus, configure a virtual cluster with the preferred resource types for a given workflow. Test and tune. Then the workflows are ready to be deployed!

Deploy via Parallel Works API	**Deploy via Parallel Works UI**
Integrate the Parallel Works capabilities directly into your native software UI. Add a simple window for users to select models, control resources and send jobs to the platform via API. Jobs are then automatically deployed in parallel across available resources.. As jobs complete, results are sent back to the user's desktop for further analysis.	The workflow toolkit is also available to users on the Parallel Works web UI. Use our JSON-based builder to create a simple deployment interface, so users can configure the inputs for each workflow Users set up their workflows in the Parallel Works environment and deploy directly to the cloud. Results can be visualized directly on the Parallel Works cloud using a range of visualization options.

Sound simple? It *really* is. Easily integrated and simply executed, the Parallel Works Cloud Platform delivers a complete solution for large-scale computing jobs to enhance computing options for valued customers. Designed for advanced scientific workflow, built by HPC technology leaders. **Parallel *Works.***

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Parallel Works