

Ellexus makes tools to solve the problems that arise when deploying and tuning Linux applications. Our tools do this by tracing application dependencies and profiling IO patterns so that you have the information you need to solve installation and performance issues.

The Breeze Automation Platform extends the GUI-based Breeze product range to give you commandline access to your data. You can trace and analyse thousands of applications automatically and run your own custom queries on the data.

You can run automatic checks on your IT set-up to be assured of high-quality configuration and long-term system compliance. By integrating the Breeze Automation Platform into your working practices, you can solve problems before they become a problem.

### Improving deployment quality

Even when the tools and the IT infrastructure are designed well, it is still easy for local settings to affect the performance. Files stored in the wrong place can affect your application and everything else on the cluster.

Maximise performance and minimise downtime by ensuring that your applications will scale well every time.

### Customer Case Study: IO profiling for the ARM IT Department

ARM has a tiered storage architecture so accessing the file system unnecessarily can slow down the network and affect other jobs. Before tools and scripted flows are allowed to run on the main cluster, they are now checked on a smaller practice cluster with the Breeze Automation Platform. The benefits were seen immediately. ARM is now able to sign off new flows more quickly and more safely.

*“Long term we expect to see significant gains from more accurate prediction of our network and file system load and an overall reduction in traffic.”*

Julien Palleau, IT Engineering Director, ARM

### Three-step automation with Breeze:

1. Trace and profile 1000+ applications at the same time on your cluster
2. Convert the trace data into XML using the Breeze Automation Platform
3. Run custom queries to extract and combine data across multiple runs

### Profiling IO patterns with Breeze HPC and the Breeze Automation Platform

Breeze can profile application IO patterns and you can then automatically check your jobs to ensure that they are configured for your cluster correctly.

We can help you to put those automatic checks in place so that you can be sure that your applications are set up as they should be.

