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The Role of Containers in Reproducible Workflows

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A key challenge in supporting reproducible workflows in science is ensuring that software environment for any simulation or analysis is sufficiently captured and re-runnable. This is compounded by the growing complexity of scientific software and the systems they execute on. Containers offer a potential approach to address some of these challenges. This presentation will describe how containers can be used for scientific use cases with an emphasis on reproducibility. It will also cover some of the aspects of reproducibility that aren't easily addressed by containers.

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