

CMS Software Packaging and Distribution Tools

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We describe the various tools used by CMS to create and manage the packaging and distribution of software, including the various CMS software packages and the external components upon which CMS software depends. It is crucial to manage the environment to ensure that the configuration is correct, consistent, and reproducible at the many computing centres running CMS software. We describe the tools used to generate distributable software packages, to track the dependencies between packages and their versions, and to manage their distribution and installation on Tier-0, Tier-1, Tier-2 and other computing centres worldwide.

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