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HW 02

Many companies around the world use Docker, but what makes it so popular amongst big companies like ADP, Spotify, and ING. Docker is a platform that makes it easier to pack, distribute, and manage applications using containers. Each container has code, libraries, and all sorts of utilities needed to run the program. This is a huge advantage, since it helps the developer pack the application with the necessary integration, so that it all gets sent as a whole. The companies who use Docker, usually have a good ROI due to the huge savings caused by the reduced amount of infrastructure resources. This helps the user because it helps them focus their assets in other things to help them improve their product. As mentioned before, Docker solves a lot of integration problems, and by doing so it also helps the software be compatible with various machines. Docker also gives the liberty for the user to take their own configurations and integrate them to the code with no problem. If you have a problem with getting your programmers in sync, Docker makes it really easy with its containers and easy integration. Docker is also able to create containers for every process. This helps data to be deleted and created with no problem or cost. This makes it faster and easy to deploy the software. Due to this high deployment efficiency it is really easy to make changes, even when the product is about to release. This helps customer support as well, since it is easier to identify what the software is lacking and what container has to improve. The multiple integration also makes it easy to test across multiple servers, which helps to secure and test patches before release with ease. From a security perspective, Docker makes sure that the applications that are running on containers are isolated from each other which grants the user complete control and management of the product. If they detect a problem, the only thing they have to do is deactivate that container, and fix the problem without affecting the whole software. After analyzing the benefits from using Docker, now it is clear that a software like this is really helpful to solve many configuration management problems, and it helps create an easier and faster development of the product with a better customer experience.