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## [Poster] Pydio Next Gen : micro-services and open standards

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On-premise EFSS is now an established market, and open source solutions have been key-players in the last couple of years. For many enterprises or labs, the need for privacy and handling large volumes of data are show-stoppers for using saas-based solutions. Still, for these users, the experience speaks by itself: even with good software, **it is hard to deploy a scalable and reliable system** serving massive amount of data, massive amount of users and desktop sync on top of that.

Historically developed in PHP, Pydio started to dig alternative technologies 2 years ago, by introducing a dedicated companion (Pydio Booster, presented at CS3 last year) that would lower the load on the PHP fronts (for uploads, downloads and websocket). Acknowledging the success of such a tool, Pydio Team decided 6 months ago to make a major leap: **rewrite the whole backend in Go, following a micro-services architecture** that would fit the demands of nowadays infrastructure.

The poster will present this new architecture, how the team took profit of her knowledge of Sync&Share to organize data inside micro silos, and the choices made in terms of interface with the outside world (APIs) to stick to the most advanced and open standards. This major release shall be made available at the end of Q1 2018.

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