

Extensible Declarative Management of Cloud Resources across Providers

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Abstract

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Abstract:

Tags and labels are annotations on resources in many commercial public cloud models. Little is known about the extent of tagging in commercially relevant settings and there is an absence of automated software to handle tags. We show that by introducing an extensible tag management middleware based on cloud functions, tags can be turned into a powerful declarative means of cloud management. Our universal connector middleware is demonstrated by a typical deployment administration scenario involving both AWS and Google Cloud Platform services.

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