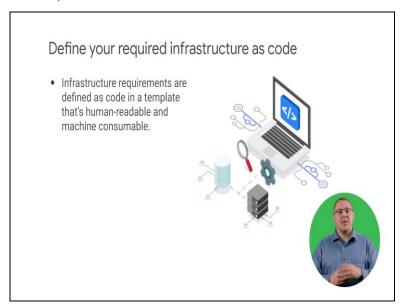
Google Cloud Computing Foundation Course Seth Vargo Google Cloud

Lecture-63 Introduction to IaC

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Let us start with the first topic where we discussed the concept of infrastructure as code. As the name implies infrastructure is code or IaC is taking what a required infrastructure needs to look like and defining that as code. You capture the code in a template file that is both human readable and machine consumable. Infrastructure as code tools allow you to provision entire infrastructure stacks from templates.

Rather than having to use a web console or run commands manually to build all the parts of the system the template is used to automatically build the infrastructure that same template enables resources to be automatically updated or deleted as required. Because templates are treated as code they can be stored in repositories tracked using version control systems and shared with other users and teammates.

Templates can also be used for disaster recovery if for any reason the infrastructure needs to be rebuilt those templates can be used to automatically recover.