



*GeoServer*

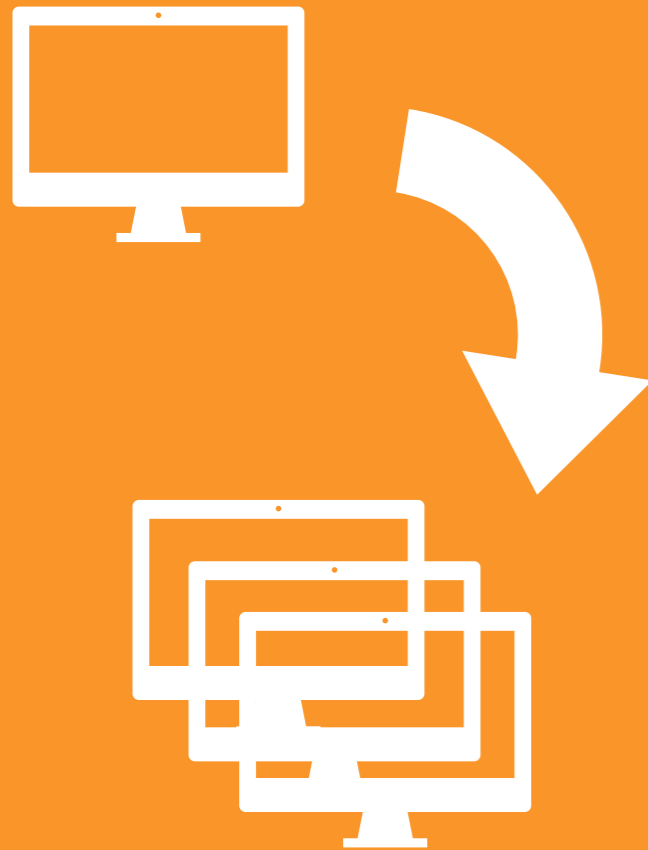


python

# GeoServer configuratie met python

Rob van Loon

# Automatiseren



**Veel herhalen van dezelfde handelingen en instellingen**

**1: nee**

**2: hmmm... misschien**

**3: ik schrijf er een script voor**

# geen briljant nieuw idee



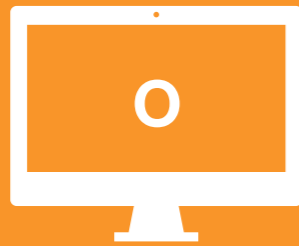
Niet de eerste en niet de laatste, maar goed om te realiseren dat het kan.



The screenshot shows the GeoServer website header with the logo and navigation links: About | Blog | Download. Below the header is a breadcrumb trail: GeoServer 2.12.x User Manual » REST » REST configuration examples » Python. There are links for 'previous' and 'next'. The main heading is 'Python'. The text below reads: 'We are looking for volunteers to flesh out this section with examples. In the meantime, anyone looking to do python scripting of the GeoServer REST config API should use [gsconfig.py](#). It is quite capable, and is used in production as part of [GeoNode](#), so examples can be found in that codebase. It just currently lacks documentation and examples.'

# 2 use cases

Nieuwe OTAP straat



Beheer door  
non-geo personen



# REST

GET

PUT

POST

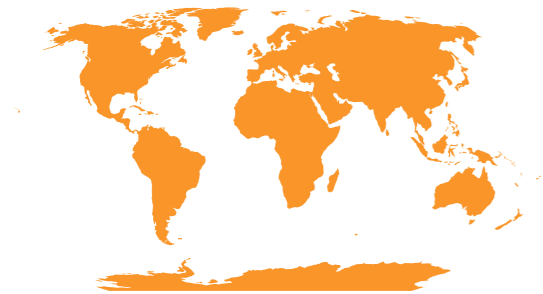
DELETE



# Lagen toevoegen

POST

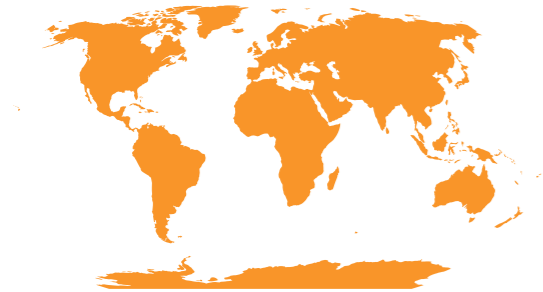
...:8080/geoserver/rest  
/workspaces/<<workspace>>  
/datastores/<<datastore>>  
/featuretypes



payload

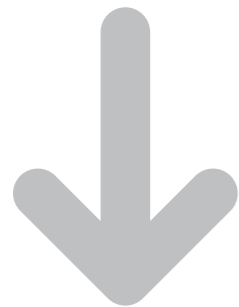
```
<featureType>  
<name> + laag + </name>  
<title> + laag + </title>  
<type>VECTOR</type>  
<nativeCRS> + srs + </nativeCRS>  
<srs> + srs + </srs>  
bbox  
latlonbbox  
<projectionPolicy>FORCE_DECLARED</projectionPolicy>  
<enabled>True</enabled>  
</featureType>
```

# Style toevoegen



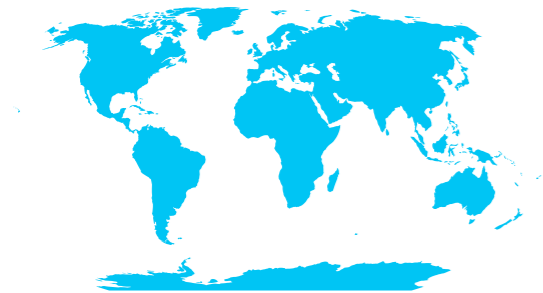
PUT

...:8080/geoserver/rest  
/layers/⟨⟨workspace⟩⟩:⟨⟨laag⟩⟩



payload

```
<layer><styles>  
<style> + style + </style>  
</styles></layer>
```



# Automatiseren



Loop langs alle  
workspaces, datastores  
en layers



GET - PUT - POST - DELETE  
“upload” naar de nieuwe  
geoserver



# Geoserver & python

- Python kan perfect tegen de REST interface aanpraten
- Configuratie uitlezen
- Configuratie instellen
- Nieuwe lagen en wijzigingen



**Binnenkort op:**  
**<https://github.com/borrob>**