



# GeoServer log4j upgrade

GSIP 167

## **Client**

GeoServer Project Steering Committee  
Open Source Geospatial Foundation

## **Date**

14 February 2022

## **Author(s)**

GeoCat Canada LTD





# 1. GeoServer Log4j Upgrade

GeoCat is pleased to respond to the RFC for the [Log4j1 update or replace activity](#).

GeoCat is an open-source company and a core contributor of the GeoServer project. We are proud sponsor of OSGeo, supporting the community on behalf of our enterprise customers.

## 1.1. Proposal

We have prepared [GSIP 167 - Log4j2 Upgrade](#) proposing the work required to upgrade GeoServer to the latest Log4j2 library:

- GeoServer: Upgrade to log4j 2.17.1 (at time of writing)
  - Update LoggingUtils with new configuration files
  - Update GlobalSettings to allow selection of new configuration files
  - Update documentation of GeoServer logging
- GeoWebCache: Confirm interaction with commons-logging remains unaffected
- GeoTools: Update the log4j bridge to log4j 2.17.1 (at time of writing)
  - Update documentation for GeoTools logging

Work is to be delivered as a pull-request for 2.21-RC candidate, with documentation to follow as a pull-request for 2.21.0 release.

## 1.1. Financial Proposal

We would like to thank all the organizations that have sponsored this activity for their contribution to open source sustainability.

**Initial proposal:** This quote is held open until February 11th, given the time sensitive requirement to deliver an upgrade solution in time for the March 1st GeoServer 2.21-RC.

**Updated proposal:** Quote held open to Feb 18th, with the understanding that this activity may delay the scheduled 2.21-RC Release Candidate.

Given the short duration of the project the work is presented as payment on delivery.

### Estimated charge and expenses

To acknowledge the risk inherent in fundraising based development GeoCat proposes 75% of funds raised up to a maximum €5000 as outlined in the following table:

Consulting and Development	Price Excl. VAT
GSIP 167 - Log4j2 Upgrade	€5000 75% of raised funds to a maximum of

The above costs do not include VAT tax, and may be subject to additional banking fees.



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