

I E T F[®]

Statement of Work #2

This Statement of Work #2 ("**SOW**") is entered into effective as of this 16 day of September, 2020 (the "**Effective Date**") by and between Springload LTD ("**Developer**") and IETF Administration LLC ("**IETF LLC**"). This SOW is incorporated into, and forms a part of, the Developer Services Agreement, dated 11 August, 2020 by and between the parties (the "**Agreement**"). Any term not defined herein shall have the meaning ascribed to it in the Agreement. This SOW must be signed by both parties to be effective.

1. Description of Services. Developer agrees to provide software development and support services described below (collectively, the "**Services**") to IETF LLC.

A. Infrastructure Implementation Services. The infrastructure implementation services Developer agrees to provide include but are not limited to the following summary:

Developer are to build a Developer best practice development environment, CI/CD pipeline as well as one non production environment – preview (staging). This will be built on AWS infra using Terraform.

IETF LLC wants the pipelines and deployment to be based on its GitHub repository. While Developer will be building the non production environment using containers, the production deploy is in fact on bare metal – or similar and behind a reverse proxy.

The infrastructure implemented will be used by Developer's development team to efficiently deploy to staging during the project to refactor the frontend of the IETF LLC's website templates. This will also provide IETF LLC with an environment to review development during the project and conduct user acceptance testing prior to release.

The staging environment and tooling can be retained by IETF LLC for further development work in the future.

The production environment is NOT to be considered for this project, and it's configuration and deployment are not to be solved. Developer are however constrained by the versions of services like PG or REDIS available on the production environment as well as the python runtime (TBC at 3.6)

Further system dependencies may introduce further constraints.

Anticipated scope of task for Developer:

- Build a best practice, encapsulated local development environment including:
 - Database
 - Cache backend
 - Filesystem storage
 - Other service stubs / configuration as required
- Provision an AWS account for IETF LLC and run it on their behalf
- Build a CI/CD pipeline, using CircleCi as a build service

- Build an application host environment, including a number of services and features at a high level:
 - ECS container host
 - RDS Postgres instance
 - REDIS Managed service
 - Load balancer
 - CDN
 - S3 Blob storage
 - Secret management
 - Application environment configuration and management
- High level documentation of the infrastructure implementation
- Documentation for developers to be able to operate the local development environment, deploy the application.

The following assumptions are agreed:

- Developer has proposed a budget based on the requirements IETF LLC have indicated. Recognising that these will likely change during the project Developer will work with IETF LLC to determine what can reasonably be achieved within IETF LLC budgetary constraints during the project.
- Developer are able to build and deliver the solution on Amazon Web Services (AWS)
- As infrastructure builders Developer have control over the final implementation and selection of platform services to be utilised
- Developer is able to select and choose the infrastructure orchestration and control frameworks and methods, subject to security requirements.
- Developer will provision a dedicated AWS account and operate it on IETF LLC behalf. Alternatively, IETF LLC will provide a dedicated AWS account(s) that Developer will administer on IETF LLC behalf in order to deliver the infrastructure build environments.
- Developer is free to select or implement appropriate, secure tooling services as required in order to deliver automated build, test and deployment services.
- Developer will set up a sentry environment for error monitoring for staging in Developer account for development purposes.

2. Practices. Developer agrees that all configurations and documentation it develops in connection with the Services will meet a commercial standard of quality.

Developer agrees to use the version repository specified by IETF LLC and the issues tracking system specified by IETF LLC.

3. Acceptance. Developer will promptly provide IETF LLC with the most recent version of a deliverable upon completion. IETF LLC will test and evaluate the deliverable to determine whether it conforms to the agreed upon specifications and requirements and will provide a written notice to Developer of its acceptance or of the deliverable's nonconformity specifying why and how the deliverable is not acceptable to IETF LLC. If Developer receives a notice of a nonconformity from IETF LLC, it will promptly and at no expense IETF LLC remedy the error

or deficiency to ensure that the deliverable does conform to the applicable description and criteria and submit a revised deliverable to IETF LLC. IETF LLC will conduct such further tests and evaluations on the deliverable as it deems necessary and either accept or reject deliverable. If the deliverable is not accepted, Developer will at its own expense take whatever steps are required to ensure that the deliverable is acceptable to IETF LLC. If Developer fails to remedy the error or deficiency within thirty (30) days of initial receipt of a notice of nonconformity from IETF LLC, IETF LLC may hire a third party to remedy the error or deficiency at Developer's expense.

4. Management. Developer's primary technical contact at the IETF LLC for this SOW will be the Tools Team Project Manager. The IETF LLC primary technical contact will be generally responsible for overseeing Developer's performance under this SOW and providing related instructions and feedback to the Developer.

Contractor may refer to certain RFC documents published by the IETF Community as a reference and guide to the intended nature of certain Services where relevant, but any instructions, interpretations or directions provided by the IETF LLC primary contact to Contractor shall supersede the content of RFCs and control for purposes of Contractor's performance of the Services under this SOW.

While Developer will work with the IETF LLC primary technical contact in the ordinary course of the Services, the IETF Executive Director shall at all times have the authority to provide additional instructions, feedback and other direction to Developer. In the event of a conflict between the direction received from the IETF LLC's primary contact and the IETF Executive Director, Developer will provide written notice of the conflict and ask for clarification, provided that instructions received from the IETF Executive Director shall supersede those received from any other IETF LLC contacts.

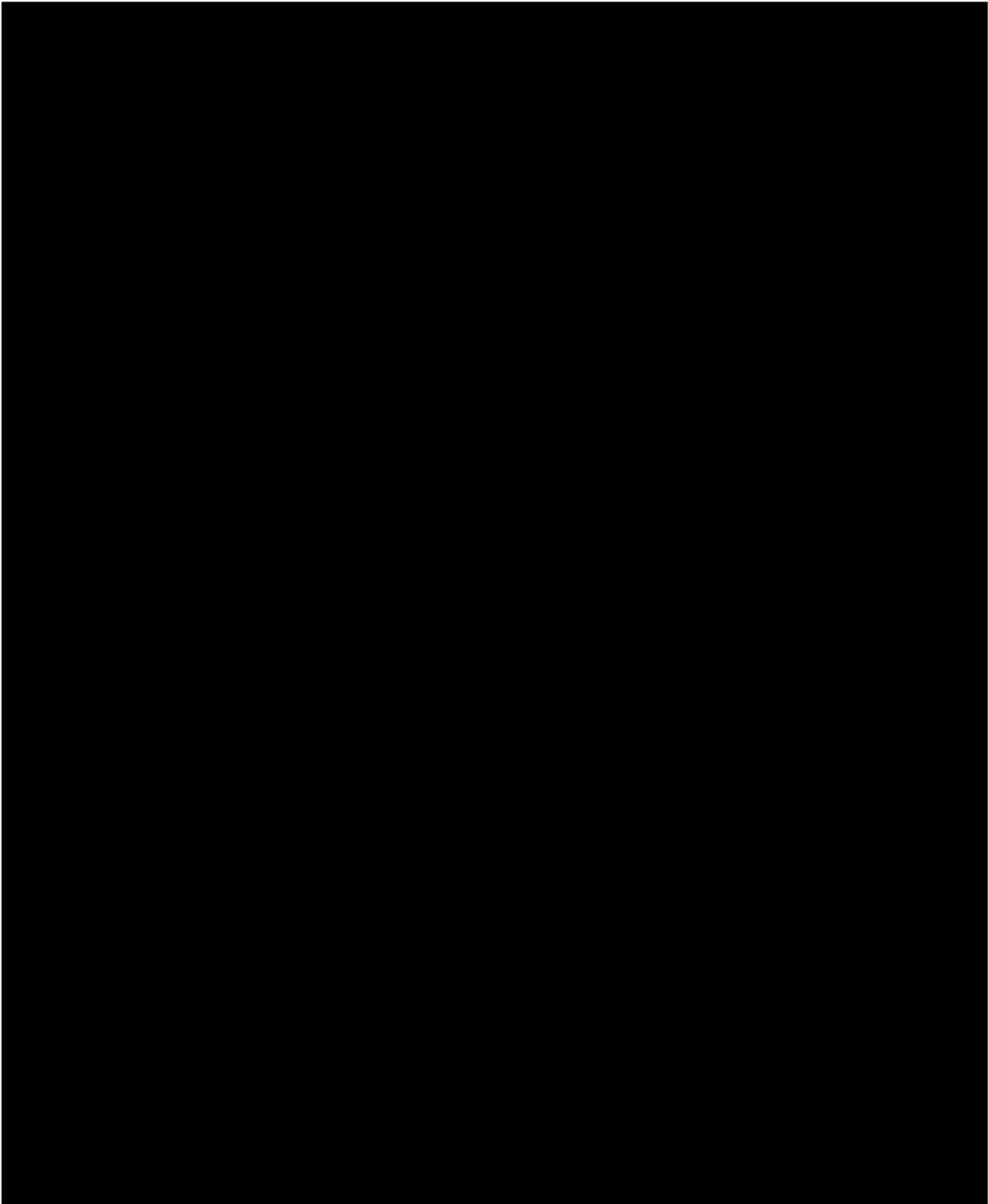
During the term of this SOW, Developer shall keep IETF Executive Director, and the IETF LLC primary technical contact informed of the status of the development and Services. Notwithstanding the foregoing, Developer is solely responsible for fulfilling its obligations under this SOW, and the IETF LLC designees will be responsible for providing timely feedback and decisions to inform the approach to development, performing user acceptance testing and approving development work conducted before deployment/release. User acceptance testing and approving development work does not mean that IETF LLC has checked, debugged or otherwise validated that Developer's work is free from error.

5. Key Personnel. The following individuals are Key Personnel as described in the Agreement for purposes of the Services described in this SOW:

Matthew Holloway, Front-end Director - Technical Oversight

6. Fees:

The Agreement and IETF LLC policies shall dictate the terms of payment and reimbursement for expenses.



[REDACTED]

To the extent IETF LLC and Developer wish to change the scope of the Services and deliverables, the parties will agree in advance to such changes in scope and any additional fees payable for such Services or deliverables, if applicable.

7. Term: This SOW shall be effective as of 16 September 2020 and shall remain in effect until 31 December 2020, after which IETF LLC and Developer may agree in writing (email to suffice) to extend the term of this SOW for an additional period. In the event the term of this SOW extends beyond the term of the Agreement, the terms and conditions of the Agreement will remain in effect for the benefit of this SOW only.

All of the terms, covenants and conditions set forth in the Agreement are incorporated herein by reference as if the same had been set forth herein in full.

IETF ADMINISTRATION LLC



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SPRINGLOAD LTD:



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