Open VSX Working Group Steering Committee - November 7, 2023

Agenda

Agenda Topics	Who	Minutes
Welcome and quorum	Hans	2
Review and approve minutes from October 17	Hans	5
2024 Budget (pushed to next meeting)	Sharon	10
Review details of current implementation and deployment	John	10
Can we get an independent estimate of what it would take to host open-vsx.org deployment with current level of traffic and an SLO acceptable to the working group. • Slides with open-vsx.org activity • My writeup of implementation and deployment details.	John	5
Based on discussions in the previous meeting (documented at the end of this agenda), continue discussion on improving reliability of open-vsx.org and hosting. Proposed topics: • Hosting problem alerts + Basic actions • Improve test suites • "Harden" OpenVSX implementation source code • Alternative hosting	Hans, John	10

Number of Seats 6 / Quorum is 50% of Committee / Passing a resolution is > 50%

Steering Committee Members:

- ☐ Google
    - ☑ Thomas DeMeo
    - ☐ Femi Akinde

☐ Huawei
    ☐ Yawei Wang
    ☑ Denis Denisenko
☐ Posit Software
    ☐ Tom Mock
    ☐ Tracy Teal
☐ Salesforce
    ☐ Stephanie Maddox
    ☑ Karen Fidalek
☐ Siemens
    ☐ Rainer Schiekofer/Johannes Birkenstock
    ☑ Jacob Hilsebein
☐ STMicroelectronics
    ☑ Hans-Åke Gustafsson
    ☑ Kostiantyn Kirenko

Eclipse Foundation:

☑ John Kellerman
☐ Thabang Mashologu
☐ Clark Roundy
☐ Sharon Corbett

Minutes Taker Schedule:

May 23, 2023	ST	Sep 12, 2023	Huawei
Jun 6, 2023	Google	Sep 26, 2023	ST
Jun 27, 2023	Posit	*Oct 17, 2023*	Posit
		~~Oct 24, 2023~~ CANCELLED	~~Google~~

Jul 12, 2023	JohnK	Nov 7, 2023	Siemens
		Nov 21, 2023	Huawei
Aug 15, 2023	Siemens	Dec 5, 2023	Salesforce
Aug 29, 2023	Salesforce	Dec 19, 2023	ST

Action Items:

- Refine social media channels (for future SC call - as part of program plan discussion):
  a. https://app.gitter.im/#/room/#eclipse_openvsx:gitter.im
  b. @openvsx on Twitter
  c. @openvsx@mastodon.social on Mastodon
  d. Future Slack channel
- Comeback on how open-vsx.org operates
  a. Servers topology
  b. How the solutions scales
  c. How monitoring is done
  d. How performance issues are investigated
  e. Top X known issues

Agenda Parking Lot

- August 16th outage - need to discuss this when John is present to understand what happened and why it took so long to recover. Agenda item for the next meeting
- Program Plan - Vision (slide 4) - Sequence into priority order with highest importance at the top
- Baseline meeting - Need to understand the baseline on where we stand on each initiative
  a. Need to understand Deployment process and hosting structure in more detail
  b. One example - Monitoring and alerting - What is in place today? How does what we have in place today compare to other Eclipse products? (Goal is to define a measure of this item)

Minutes:

- Vote on approving minutes from Sept 26th meeting. No objections. Minutes approved.

- John outlined process for reviewing meeting minutes.
  - Hans and John meet to create the agenda
  - Hans reviews the agenda
  - Agenda goes out to the group at least the Friday before the meeting
  - During the meeting, the designated notes taker, takes a minute
  - Minutes creator creates a named version, e.g. Minutes 2023-06-06
  - Minutes taker creates a pdf of the minutes, puts the document in the folder, and lets Hans and John know the minutes are there
  - After the next meeting, assuming the minutes are approved, Hans or John send out the minutes to the committee

- Key points for minutes takers:
  - Create a named version of the minutes
  - Turn it into a pdf
  - Put it into the folder
  - Let Hans and John know it's there

Document results of 2023 budget vote

- 2023 Budget passed via email vote

Email from Sharon Corbett documenting results:
> *All;*
>
> *The voting period has concluded.*
>
> *The results of the vote are: three votes +1 and one vote abstained. Two organizations did not vote.   As a result, the motion passes and the resolution is adopted.*
>
> *Please do note Google indicated their approval though it arrived after the ballot period.*
>
> *I will now take the 2023 Program Plan and the 2023 Budget to the Executive Director for approval.*
>
> *Best Regards,*
> *Sharon*

2024 Budget

- Sharon on the agenda, but she's at EclipseCon right now, so she won't be able to attend. So, we'll do a budget conversation at another meeting.

Can we get an independent estimate of what it would take to host open-vsx.org deployment with current level of traffic and an SLO acceptable to the working group.

- [John] Looking at options on how we could better cover SLO. Would like a few more data points on how much this could cost. Currently Eclipse is paying $200,000 Euro per year for current level of service.
- John is working on a document to summarize what we're currently running, he'll have it in another week or so, and will send it out to the group. Then members in the group can share some estimates of what they think SLO that we would want would cost.

Continue discussion on improving reliability of open-vsx.org and hosting.

- Another priority is that we need to harden the code. In order to do that, we need to have another deployment, and mirror what we have in production. How are we going to do that, who's going to do the work? We can put engineering resources to stressing the environment. We can do this completely on our own, no dependencies on Eclipse Foundation.
- Part of that effort can be improving our test suites, not enough automated testing. We have some, but need to do better. Haven't had the engineering resources to build up those test cases.
- [Denis] Are these tests, to test new features or functionality? Or existing functionality?
- [John] We don't have much testing at all, so any testing would be beneficial. Let's do basic regression testing. We also want to build up a workload that can test along different dimensions. e.g. what happens if we stress the leading extensions? It's a wide area that needs improvement, any help would be good.
- Denis might have some ideas to get some tests then.
- This approach can give experience with the current deployment, and that we can understand if we could do it.
- [Johannes] We need to, as a working group, get our hands 'dirty' and figure out if we want to do it ourselves, or hire.

What are next steps?

- John will have the level of detail about our current deployment, by our next meeting, within two weeks. Then we can review to start to make decisions. Including evaluating what we think it would cost to host.
- Gitpod does have some experience hosting things like this, so John will reach out for an estimate, and see if they can provide one.

- This information will help us evaluate costs for hosting, as well as the costs and approach needed for another deployment where we could do testing.

Minutes from November 7, 2023

- Decision: postpone 2024 budget agenda point to next meeting

John: Review details of current implementation and deployment

- John showed fork of openvsx.org deployment repo: https://github.com/kineticsquid/open-vsx.org/blob/Document-operation-details/open-vsx-deployment-details.md
- John explained content of repo: code, scripts, administration docs, used (hardware) resources
- intension of showing are the following call to actions:
    1. **technical review of the code**
    2. **everyone should decide if he wants to sponsor a dedicated staging area to deploy this and test it.**
    3. **Can we get an independent estimate of what it would take to host open-vsx.org deployment with current level of traffic and an SLO acceptable to the working group.**
        a. intension: gather more datapoints if eclipse currently spends enough or too less money for hosting.

Hans, John: Continue discussion on improving reliability of open-vsx.org and hosting. Proposed topics:

Discussion on following topics
- Hosting problem alerts + Basic actions:
    - **action point: needs to be added to a runbook, is currently only in peoples heads.**
    - used tool for stats:"better uptime"
- Improve test suites
    - anyone can commit a PR to the testsuite
    - runs on github actions
    - there is a stating area available at eclipse, e.g. for testing purposes
- "Harden" OpenVSX implementation source code
    - Idea: Source code review
    -
- Alternative hosting

- See Johns points above
- Openvsx is self-hosted on a eclipse kubernetes cluster
- Blob storage is on azure