IBM/Red Hat Leftovers

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*What’s new with tzdata: The time zone database for Red Hat Enterprise Linux*[2]

The Time Zone Database (tzdata) provides Red Hat Enterprise Linux (RHEL) with data that is specific to the local time zone. Applications in the Linux operating system use this data for various purposes. For instance, the GNU C Library (glibc) uses tzdata to ensure APIs such as strftime() work correctly, while applications such as /usr/bin/date use it to print the local date.

The tzdata package contains data files documenting both current and historic transitions for various time zones around the world. This data represents changes required by local government bodies or by time zone boundary changes, as well as changes to coordinated universal time (UTC) offsets and daylight saving time (DST).

*JetBrains IntelliJ Red Hat OpenShift extension provides debug support for OpenShift components*[3]

The 0.2.0 release version of the Red Hat OpenShift extension for JetBrains IntelliJ is now available. You can download the OpenShift Connector extension from the JetBrains Plugins Repository. This release provides a new OpenShift: Debug action to simplify the debugging of OpenShift Components pushed to a cluster. It is similar to features developed for Visual Studio Code and JBoss Tools for Eclipse. OpenShift Connector uses OpenShift Do? (odo?) debug command under the hood and supports only local Java and Node.js components. This enhancement lets the user write and debug local code without leaving IntelliJ.

*IBM awards its second $50,000 Open Source Community Grant to internship and mentorship program Outreachy*[4]

Last October, the open source community at IBM awarded a first-of-its-kind quarterly grant to
promote nonprofits that are dedicated to education, inclusiveness, and skill-building for women, underrepresented minorities, and underserved communities in the open source world. Our Open Source Community Grant identifies and rewards future developers and open source leaders and creates new tech opportunities for underrepresented communities.

Today, we are pleased to announce that the winner of the second quarterly Open Source Community Grant is Outreachy. Our open source community nominated a number of nonprofits doing incredible work and, while voting was close with plenty of deserving organizations in the mix, we awarded Outreachy the most votes for their commitment to providing paid internships to underserved and underrepresented minorities. The award is timely as it will help Outreachy provide paid remote work to underrepresented groups in a time when people are being forced to work from home because of the COVID-19 pandemic.

- **Red Hat OpenShift Serverless Inches Closer to GA**

  Red Hat recently updated its OpenShift Serverless platform with a handful of new features that inch it closer to general availability (GA). The move highlights both the ongoing maturation of serverless platforms as well as the tepid pace of that maturation process.

  Red Hat’s OpenShift Serverless product is based on the Knative project. It boasts many of the benefits tied to serverless platforms like the ability to scale up or down to zero, which theoretically allows for lower operational costs. And OpenShift is Red Hat’s Kubernetes-focused enterprise platform.

  The update uses the Knative 0.12 iterations of serving, eventing, and the Knative command line interface (CLI). That’s just a few steps behind the most recent Knative releases that are part of the project’s rapid-fire release cycle. It also includes a handful of other integrations designed to ease use and integration.

- **Red Hat: We need to talk about cloud-native**

  As they edge towards a 5G architecture, can the network operator community build on key takeaways from their early virtualization efforts? Susan James, senior director of telecommunications strategy at Red Hat, sure as hell hopes so.

  "The telcos need to look at what has been learned from the NFV years," says James, adding pointedly, "there's no point in just dumping applications into containers."

  And that could be the temptation as the telecom sector starts to embrace the cloud-native aspects of 5G and all that encompasses, from new ways of building, onboarding, integrating, managing, exposing and supporting applications, whether developed in-house or sourced from third-party developers.
Telcos have been talking about cloud-native for a few years, since they realized that somewhat monolithic virtualized network functions (VNFs) running on early NFV infrastructure platforms would only get them a smidge of the agility and flexibility they seek. Instead, a wide-area-network-friendly, carrier-grade version of the containerized systems increasingly popular with large enterprises and the data center brigade looks far better suited for the challenges that full-blown 5G (with its gazillions of potentially latency-intolerant devices connected to edge platforms) will bring.

Now those conversations about containers, Kubernetes and next-generation telco cloud functionality are getting more frequent, says James, who has been with Red Hat — one of the leading providers of open source software systems for telco cloud deployments, such as its version of OpenStack and its OpenShift container platform — for almost two years, following more than 15 years at Ericsson.

- **Let's monitor edge computing networks with RHEL!**[7]

  One of the characteristics of edge computing is that rather than one big network, multiple smaller networks are being used. Network connectivity inside of these smaller networks is mostly reliable, but the connectivity between these network bubbles can be unstable?some edge network concepts are even designed to cope with temporary network interruptions between these networks.

- **Ansible streaming video series, open source security tools, and more industry trends**[8]

  As part of my role as a senior product marketing manager at an enterprise software company with an open source development model, I publish a regular update about open source community, market, and industry trends for product marketers, managers, and other influencers. Here are five of my and their favorite articles from that update.

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