



SEAN CLEMENTS

Sean is an Information Technology intern. His work over the summer has involved learning about creating and closing trouble tickets and how to appropriately deal with technical problems.



MATT HEON

Matt is a part of the Application Infrastructure team. He is working on Docker, an container virtualization solution, in RHEL7 and Fedora. He triages and resolves issues identified by QA in the Docker packages for both Fedora and RHEL7. Additionally, he contributes enhancements to Docker upstream. These include work on a means to run new processes in an existing Docker container, and bindings for the libseccomp library to add syscall-level security to Docker.



MARK OMOTORUWA

Mark is a Product Marketing intern in the Middleware BU team working specifically on JBoss BRMS and BPM Suite products. This summer Mark has been tasked to conduct interviews with sales reps and document details of successful closed deals of JBoss BRMS and BPM Suite products. These win stories of closed deals will then be published by Mark on the JBoss Middleware win stories blog on Mojo to showcase and highlight how sales reps were able to successfully sell these products. Mark has also conducted competitive analysis on rival BPM Suite products to help sales reps.

PHILIP DONLON

Philip works on the Cockpit project, which is a graphical front-end to managing remote servers from the browser. Cockpit also provides an easy to use visual display for Docker containers and disk management. Much of his work has been revolved around making the user interface easier to use and fixing minor bugs that have been assigned to him. As the summer progressed, his work extended to include writing documentation on some of the features he added/fixed, as well as finding and creating bug reports of his own.



RYAN LEAF

Ryan works on the OpenShift team, as a Product Management intern. OpenShift is a Platform-as-a-Service ("PaaS"), which allows developers and sysadmins to easily deploy applications on a public or private cloud. He has been working closely with the developers on the Origin (open source) side to improve the installer for OpenShift. He also has been focused on testing and comparing OpenShift and its competitors.



COURTNEY PACHECO

Courtney is on the Performance Engineering team. Her project this summer was to design an automatic reporting system for diagnosing performance-related bugs on client machines. This automatic reporting system was entirely designed in Python, and utilizes Machine Learning to discover bugs and trends leading up to those bugs. Much of this project takes advantage of Python's Scikit Learn and Pandas data analytics toolboxes, and uses an Elasticsearch server to store and retrieve client data. Courtney hopes to use this project as a proof of concept for developing a real reporting system at Red Hat to further enhance the value of subscription for Red Hat customers.



GREG DUMAS

Greg is on the Engineering Operations team. His work this summer has included maintenance of lab systems hardware, such as wiring cable and racking machines, hardware receiving and check in, and keeping the lab environment in a work-ready state. Part of his job has also revolved around testing and improving Engineering Operations work procedures and revising procedural documentation.



ANNE LOVERSO

Anne is on the Applnfr team working on Project Atomic, a lightweight OS designed to run Docker containers and perform atomic upgrades and rollbacks. Specifically, she has contributed to ostree and rpm-ostree, the programs that handle OS version control through pre-built tree images. In general, her projects involve making the system friendlier for sysadmins, including deploying a status command, creating and updating manpages, and allowing checking for updates.



BRENDAN REILLY

Brendan is on the Release Engineering team. He is working on tools that interact with Docker and allow for easier control over Docker production cycles. He is also creating tools that simplify common tasks the Release Engineering team perform, such as maintaining build environments and cleaning up internal repositories.

MELISSA GRAY

Melissa is in the Performance Engineering department. This summer she has been working with members of the Perf team to create a test framework for the C math library functions in order to verify their performance and accuracy. The project uses Python as the glue of the automated test framework and other open source data manipulation and display tools including R, Shiny and D3.js to process and display results. She hopes to determine which math functions should be made more efficient in order to improve performance for customers.



MRUDULA NAMBIAR

Mrudula is a Product Marketing Intern at Westford for JBoss Middleware BU. She is helping collect win stories for EAP and Data Grid products in Middleware as a method of Sales enablement. She has also published them on Mojo and refstore for future references. Additionally she takes feedback for the Middleware BU for these products' performance and pricing globally. Mrudula has also helped with analysing the challenges, best practices and solutions in Application development and Performance management for Infographics in Middleware.



YUZE SHEN

Yuze is working on porting FreeIPA on to mobile devices. FreeIPA is an integrated Identity and Authentication solution for Linux/UNIX networked environments. A FreeIPA server provides centralized authentication, authorization and account information by storing data about user, groups, hosts and other objects necessary to manage the security aspects of a network of computers.





RICKY AYOUB

Ricky works on the Logical Volume Management (LVM) team. His primary responsibility is to review documentation and code for LVM, primarily LVM thin provisioning and LVM cache. LVM is an abstraction layer that allows for the underlying physical devices that store data to be abstracted away and have logical volumes built on top of them that can then be formatted with a filesystem. These LVs can span one or more devices. His work over the summer has also expanded into contributing to other open source projects that involve LVM, such as System Storage Manager (SSM)



CHRIS SHINN

Chris is a member of the User Experience Design (UXD) team. Chris has spent the summer working on the new interface for RHEV 4.0 as well as wireframing, documenting, and maintaining the Mojo page for the project. He has also been expanding, documenting, prototyping, and testing the search patterns for the Patternfly pattern library.



JOHN BAUBLITZ

John is in the Quality Engineering department. So far, he has contributed to the automated testing framework for Firefox on RHEL. Currently he is working on a testing utility for the System Test Initiative. This framework monitors system resources on provisioned machines while simultaneously running user tests to determine causes of test failures. His work involves developing a Python driver for collecting the data using the ansible framework, designing a database to store the information, and creating a web-based front end using Django and matplotlib to display the test results. He hopes to incorporate all of these elements into a virtual machine image that can be distributed to



JEFFREY TAO

Jeff is on the Kernel Generalist team. Jeff has been working on testing for a technology of Checkpoint Restore In Userspace, a userland application that can be used to dump the state of a running program mid-execution and restore it to that state at a later point, even from within containers or on different systems, and can even be used to live-migrate processes between hosts.



YIN ZHANG

Yin works on the Cockpit team. Cockpit is a Browser/Server paradigm project implemented in Javascript and C, which provides administrators with an easier and more intuitive way to monitor and manage GNU/Linux servers. Cockpit is built on top of a lot of cool stuff, such as OpenLMI, D-Bus, NetworkManager, WebSockets, jQuery, Bootstrap, PatternFly, etc. Over the summer, his work consisted of contributing patches of code and new features for both backend and frontend. He is also responsible for writing unit tests and reporting bugs.



JOHNNY BIEREN

Johnny is on the Kernel Generalist team, but also works closely with the kernel hardware team. He has been spending his time working on each part of the process for a machine that arrives in a box to be installed and eventually tested on. He has installed systems, configured them properly for the infrastructure, created Beaker entries for them, inventoried them, tested them, and analyzed their output logs. He has also spent some time setting up the new wireless lab and writing unit tests for restraint.



NASSER BUMPUS

Nasser is an intern on the CEE team, working as a Data Analyst. He has been working closely with other departments to pull data from multiple sources; actively updating, graphing, and reporting on topics ranging from download rates to subscription changes and product performance. His summer projects bounce across different platforms, ranging from Metrique, Business Objects, SFDC, SatMetrix, GRQA, and more.

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