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October Greetings and Key Technology Challenges

Greetings!

Hope this email finds you doing well, and ready for the season's change.

Last weekend, I went to a farmer's market to buy some fruits and groceries. Here they are, pumpkin stuff everywhere, ice cream, jams, cider, candy, cookies. They looked delicious, and also overwhelming. I love apple cider with cinnamon stick. That homecoming fragrance smell and sweet taste, yellow golden leaves, Halloween costume dressed children, and party and laughter....reminding us "togetherness", "kindness" .. made this world special.

Mark, our development manager, is a city farmer. He grows so many fruits and vegetables in the backyard. He brought in boxes of figs to feed the office. I had for lunch, dinner, and managed to bake fig cakes. They were delicious. Soon, we will have Pomegranates, and persimmons... How lucky we are.

Looking at these seasonal treats, I appreciate even more what nature offers and human kindness.

Thanks for your feedback at SHARE:

Thank you for your interest at the Providence SHARE in August. We appreciate all the input and discussions. With more mixed cloud service environments being offered, network experts and system administrators are dealings with ever more complex networking and system demands. End-to-end service delivery is the key. Effective DevOps/service management will assure that both application development and deployment can work together to meet the end user demand.

Recent key technologies and their challenges:

Here are some recent enterprise highlights I'd like to share with you.

Monitoring at the Docker/Container Level - End-to-end service level needs to be managed; with details in each layer of the run-time environment. For example, running Linux on IBM Z or LinuxONE is hot right now. The challenge is that system performance has to be monitored at both the Linux level as well as at the Docker container/microservice level.

Multi-level Security Defense and Discipline - Security should not just be the concern for the security group, but every subsystem has to address their security issues. The security group can integrate alerts/messages from all the subsystems, and presents the overall compliance of the security practice. The individual groups need solutions to monitor, alert, and correct the violations. For example, mainframe security can be greatly enhanced by monitoring, managing and analyzing the Intrusion Detection Services (IDS) events, then take corrective actions to prevent future attacks.

Open Mainframe Offerings and Challenges - The power of IBM Z, combined with the open source technologies and higher ROI, are making the open mainframe a "must" explored cloud environment. Cross training is crucial to this success. System z folks prefer the discipline and deep dive in the subsystems, and maintaining SLO is the goal; while open systems folks handle everything, with little time to do deep diving. The right tools for managing open mainframe must offer flexibility, creativity and speed.

IBM Blockchain Platform - IBM announced the IBM Blockchain Platform to help corporations to

implement Blockchain based applications. This is a game changer, and more requirements will follow. No matter whether the blockchain applications are deployed on premise or in the cloud, IT folks need to come up to speed with understanding about the blockchain technology, in order to effectively monitor and manage their blockchain applications. There is a learning curve. They earlier you can dive in the better.

AES New Product Announcement

Today, I am pleased to announce **CleverView® for TCP/IP on Linux** v2.9. It offers significant features supporting theDevOps life cycle with the support of DockerView, BlockChainView, container monitoring, network service monitoring, RTT measurements and more. It can help you manage the migration and operation of Linux on z System and LinuxONE infrastructure. Check out the new DockerView Dashboard and many other graphical features for ease of use plus graphical intelligence.

CLEVER® Education

I'd also like to introduce the AES CLEVER Education program to you!

These courses specialize in performance, problem resolution, and implementation related training for Cloud Service Management, especially with a z System focus. Members of the Education team, led by Laura Knapp, have experience, passion, and deep knowledge in the subjects.

In supporting open mainframe environment, cross training in mainframe knowledge and open system operations are a must.

Check out *CLEVER Education* for class offerings! *Email* our support team at support@aesclever.com for additional information or to have any questions answered.

Product Spotlight

Applied Expert Systems, Inc. (AES) providing intelligent performance and security monitoring and diagnostic help supporting the DevOps lifecycle. A few of our key products:

CleverView® for TCP/IP on Linux
One monitor for all your Linux platforms

CleverView® for TCP/IP
Comprehensive service manager for z/OS

CleverView® for cTrace Analysis
Multi-architecture end-to-end trace analysis

CLEVERDetect® for DNS
Secure DNS integrity beyond the firewall

Conclusion

Again, it was nice seeing you recently at different conferences. The speed of new technology announcements is lightning fast, constantly posing new challenges to IT professionals.

We were told by users , that during the migration time, some folks working 16 hours per day to keep the schedule. You are incredible talented and hard-working.The assignments are so hard, yet, you made it looking so easy.

Let us know if we can help you with AES software and education services. You are welcome to try out the CLEVER Solution for meeting your service level deliveries.   Check out our education class offerings at our **_Web Site_** and remember we also do custom classes to support your projects.

Don't hesitate to email me at **cliu@aesclever.com**, or **support@aesclever.com**.

Together we can overcome challenges. Thanks again for your business and support.

Sincerely,

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