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10	13JR1A05B7	T.MARY NIKITHA
11	13JR1A05E2	MANISH KUMAR V
12	13JR1A05C2	VUNNAM SWETHA
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3	13JR1A0549	KALLAM ANUSHA
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7	13JR1A0576	M SAI SANTHOSHI ROOPA
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MESSAGE FROM HEAD OF THE DEPARTMENT

Kosmos File System (KFS) is a New High End Google File System

There's a new clustered file system on the spindle: Kosmos File System (KFS). Thanks to Rich Skrenta for turning me on to KFS and I think his blog post says it all. KFS is an open source project written in C++ by search startup Kosmix. The team members have a good pedigree so there's a better than average chance this software will be worth considering.

After you stop trying to turn KFS into "Kentucky Fried File System" in your mind, take a look at KFS' intriguing feature set:

- Incremental scalability: New chunkserver nodes can be added as storage needs increase; the system automatically adapts to the new nodes.
- Availability: Replication is used to provide availability due to chunk server failures. Typically, files are replicated 3-way.
- Per file degree of replication: The degree of replication is configurable on a per file basis, with a max. limit of 64.
- Re-replication: Whenever the degree of replication for a file drops below the configured amount (such as, due to an extended chunkserver outage), the metaserver forces the block to be re-replicated on the remaining chunk servers. Re-replication is done in the background without overwhelming the system.
- Re-balancing: Periodically, the meta-server may rebalance the chunks amongst chunkservers. This is done to help with balancing disk space utilization amongst nodes.
- Data integrity: To handle disk corruptions to data blocks, data blocks are checksummed. Checksum verification is done on each read; whenever there is a checksum mismatch, re-replication is used to recover the corrupted chunk.
- File writes: The system follows the standard model. When an application creates a file, the filename becomes part of the filesystem namespace. For performance, writes are cached at the KFS client library. Periodically, the cache is flushed and data is pushed out to the chunkservers. Also, applications can force data to be flushed to the chunkservers. In either case, once data is flushed to the server, it is available for reading.

Upcoming Events

Python Workshop by Amar Sharma

Hands on Training on IOT by Suresh, VIT, Vellore

Editors

Mr. G.Dileep Kumar
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Mr. M.Ratna Raju
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staff Achievements:

- ❖ Dr.M.S. S sai and Mrs.V. Sasikala has published the paper “Impact and Implications of data science in agriculture” in IEEE sponsored international conference ICTPACT-2017 at Baharat University, Chennai on 8th April, 2017.
- ❖ Mrs. K. Jhancy Ranihas published the paper “Proficient and susceptible routing procedure for VANET’s” in ICSTEM-2017 at GVR&S Engineering College, Guntur on 7th and 8th April, 2017.
- ❖ Mr. M. Ratna Rajuhas published the paper “A secure and dynamic multi-keyword ranked search scheme over encrypted cloud data” in ICSTEM-2017 at GVR&S Engineering College, Guntur on 7th and 8th April, 2017.
- ❖ Mr.G. Dileep Kumar Paper “Different security methods available for collaborative computing environment to provide security on data” has been accepted to publishing in international journal IJCTA indexing in SCOPUS.
- ❖ Ms.M. Phani Anusha Paper “An Approach Towards Inter-Cloud Strategy for Varied Cloud Services” has been accepted to publishing in international journal IJDS.

Events:

FDP on Internet of Things & Its Real Time Applications



The Department of Computer Science and Engineering, KKR& KSR Institute of Technology and Sciences (KITS) conducted a One Week National Level Faculty Development Program in association with Electronics & ICT Academy, NIT Warangal from 25th March, 2017 to 1st April, 2017.

This prestigious FDP was inaugurated at KITS in seminar hall on 25th March, 2017 at 9:30 AM by Dr. RashmiRanjan Rout. Assistant Professor,

Department of Computer Science and Engineering, National Institute of Technology, Warangal and presided by the College Chairman Sri Koye. Subbarao, Secretary &Correspondent Sri Koye. Sekhar, Principal of KITS Dr. P.Babu and Professor R.Ramesh, Head Of the Department, CSE. Lighting of the lamp by the dignitaries marked the inauguration of the FDP.

This faculty development programme (FDP) is designed to address the Internet of Things. The fundamental theory, practical aspects and research directions are the major issues to be covered in this programme.

Faculty members of various engineering colleges from Telangana and Andhra Pradesh were participated in this national level FDP.

Chief Guest and Resource person Dr.R.B.V.Subramanyam, NIT Warangal, said that IOT is the latest technology to evolve around the globe and essential for the internet as a platform for innovation, economic growth and social development. The information technology and the internet become more and more ubiquitous in our daily lives.

Chairman K. Subbarao expressed that this FDP would make the faculty members conversant with the techniques of IOT in their teaching.

prototypes for their ideas. They designed the useful prototypes with the great support of idea labs.

Placements:

- ❖ CSC company on campus drive has been held on 03-04-2017 and one students got selected in the company.
- ❖ CSS CORP company Pool campus drive has been held on 07-04-2017 in KKR & KSR Institute of Technology& Sciences and two student got selected in the company.
- ❖ HEXAWARE company on campus drive has been held on 08-04-2017 and 13 students got selected in the company.
- ❖ DQ ENTERTAINMENT company on campus drive has been held on 11-04-2017 and 9 students got selected in the company.

Selected candidates List:

CSC:

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CSS CORP:

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