RE: AWS Migration Details

Ales Mikhalevich

Tue 3/14/2017 11:51 PM

To:Andrii Bublyk <Andrii_Bublyk@epam.com>;

More information:
https://confluence.nordstrom.net/display/BPMT/IMT+Physical+Architecture – physical architecture with
services, queues, etc. (network diagram on the page is not up to date, please use the one from kick-off meeting
presentation)

Also, the server I mentioned before (172.16.218.73) already has some IIS + Splunk setup and one service
deployed so you can take a look.

Thanks.

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Lead Software Engineer

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From: Ales Mikhalevich
Sent: Tuesday, March 14, 2017 2:16 PM
To: Andrii Bublyk <Andrii_Bublyk@epam.com>
Subject: AWS Migration Details

Hi Andrii,

Here are some details about our current production environment we will be reproducing:

Specs	Disk	OS
16gb RAM 64 bit XEON quad core 2.4ghz	OS - 60gb DATA/LOGS - 60gb	Windows server 2012 r2

In our KentMove **production** account we have a test instance that already has some setup (Splunk, etc.). You
should be able to RDP to it from VPN or VDI:
Private IP   172.16.218.73
User name   EC2IMT01\Administrator
Password $kmdzd)K?-

I have already requested access to the jump server for you but you should be able to login to our lower
environments. Try RDP: oimt**01**.dev.nordstrom.com (there are a bunch of them, just change the number to login
to others). It has production-like setup so you can start from there.

Here is the plan:

1. We need a machine to deploy and run our services. Try replicating lower environment as a start (in Kent move non-prod account).
2. Then, we need to figure out how Jenkins does the deployment and what setup is required on the machine itself in order to support it. You cannot configure Jenkins (still working on it) but you should be able to view the configuration. In case of any blockers – let me know.
3. https://git.nordstrom.net/projects/IPMT/repos/imtfx/browse - here is the first back-end service we would like to migrate (it is in .Net). Iurii Grigorenko is one of our .Net guys and doesn't have any assignments right now so feel free to utilize him to get .Net specific knowledge.
4. We need **8** EC2 instances with the configuration mentioned above in **non-prod** account, 2 for the front-end application and 6 for back-end services. Then we need two ELBs and two Route 53 entries, 1 for front-end and 1 for back-end. We need just one for back-end because each machine is running a copy of every service. This is now IIS is (and will be) setup. You can start with back-end and create at least one machine, do all the setup and then we can create a snapshot to scale the cluster.

The ultimate goal is to have the exact same environment we have right now but in AWS. Let me know in case of any questions.

Thanks.

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