From:	Sohail Zakaria <sozakari@microsoft.com>
Sent:	Friday, October 21, 2022 2:06 PM
To:	Shelley Way; Dawnmarie DesJardins (GP Strategies Corporation); Chris Pietschmann; Locky Ainley; David Dennis (OSS); Bill Livezey; George Hunter; Matt Parrilli; Paige Tinker; Assaf Berenson; Andrew Ireland; Bryan Tang; Deepika Seelam; Alexis Slater; Naren Narendra; Shikher Saluja; Himanshu Barik; Garima Singh; James Wee; Dan Patrick; Raushni Gupta
Cc:	Daneene Christmas; Tim Henning; Joel Hulen; James Wee
Subject:	Re: Building the business migration case with Linux and OSS DB to Azure - Outline update

No concerns and noted on the highlighted yellow. We can assess as we progress.

@Locky - Your thoughts?

Sohail "Zak" Zakaria | sozakari@microsoft.com | +1.773.771.8626

From: Shelley Way <sway@microsoft.com>
Sent: Friday, October 21, 2022 12:35:02 PM
To: Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Locky Ainley <Lachlan.Ainley@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure - Outline update

Let's move forward.

@Locky Ainley and @Sohail Zakaria reply back by today at 1:00 pm if you have any concerns.

Sent from Outlook

From: Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>
Sent: Friday, October 21, 2022 10:31 AM
To: Chris Pietschmann <cpietschmann@solliance.net>; Locky Ainley <Lachlan.Ainley@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Shelley Way <sway@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; Garima Singh

<garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure - Outline update
Importance: High

Hello everyone,

Reaching out to see if you have any questions or concerns with the updated outline. Do you approve/agree with the changes? Do you have any suggestions or recommendations regarding the cost to learners using RedHat (highlighted below)?

Please reply all with your comments. We'd like to begin building the workshop next week.

Much appreciated!
Dawnmarie

From: Chris Pietschmann <cpietschmann@solliance.net>
Sent: Wednesday, October 19, 2022 11:37 AM
To: Locky Ainley <Lachlan.Ainley@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Shelley Way <sway@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: [EXTERNAL] Re: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

@Shelley Way Below is an updated outline with changes made to reflect the recent points discussed. Please let me know if this is good so I can get started working on this. Thanks!

Customer situation

Terra Firm Laboratories is a global bioengineering company that's the leading researcher and innovator in genetic and biological science technology. The company was founded in 1975 with its corporate headquarters in Palo Alto, CA. Their mission-critical workloads are currently hosted in an on-premises datacenter and are beginning a journey to modernize and migrate into the cloud using Microsoft Azure.

The CTO, Dennis Nedry, has kicked off an initiative for the organization to begin adopting the Microsoft Azure cloud, and modernize its infrastructure. He has already had his team begin assessing their current environment and what it will take to migrate to the cloud. They are looking to optimize their technology investments by reducing technical debt and streamlining operations using Azure Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) cloud services.

Terra Firm Laboratories has already completed the first round of analysis to identify the applications and workloads to begin migrating first. Out of the total of over 250 workloads they currently have running on-premises, they have identified one workload that exemplifies multiple components that are common across many of their other workloads. The workload

is also not their most complicated, so it should prove well to prove out the migration plan as it's developed. This workload includes RedHat Linux servers hosting a Web application that uses a MySQL backend database.

They need to start with creating a migration plan around this workload to prove the larger overall strategy that will be implemented. According to Nedry, "It's really important we have a solid migration plan, as we will be sunsetting our on-premises datacenter in the next 2 to 3 years."

Items to work through Whiteboard Design Session

- Determine the appropriate hosting and migration path for the Linux servers in Azure using IaaS services, identify the maintenance and cost benefits comparing PaaS vs IaaS, and configure multi-region resiliency
- Determine the appropriate database hosting in Azure for the MySQL database using Azure Database for MySQL, identify the maintenance and cost benefits comparing SaaS vs IaaS, and configure multi-region resiliency
- Determine migration process to minimize downtime and potential data loss
- Determine security recommendations for integrating with on-premises networks

Items to work through in the Lab

- Migrate the Linux** server hosting the Web application to Azure IaaS with multi-region
- Migrate MySQL database to Azure Database for MySQL
- Configure Network connection between on-premises network and Azure VNet

** <mark>Note on the lab</mark>: Due to cost of the lab it may be more appropriate use a distro other than RedHat. We'll have to assess that when building the lab.

solliance

Chris Pietschmann, Microsoft MVP | Solliance | Cloud and DevOps Solution Architect

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From: Locky Ainley <Lachlan.Ainley@microsoft.com>
Date: Monday, October 17, 2022 at 2:26 PM
To: David Dennis (OSS) <Dennis.David@microsoft.com>, Shelley Way <sway@microsoft.com>, Sohail Zakaria <sozakari@microsoft.com>, Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>, Bill Livezey <wlivezey@microsoft.com>, George Hunter <gehu@microsoft.com>, Matt Parrilli <maparri@microsoft.com>, Paige Tinker <Paige.Tinker@microsoft.com>, Assaf Berenson <assafb@microsoft.com>, Andrew Ireland <Andrew.Ireland@microsoft.com>, Bryan Tang <Bryan.Tang@microsoft.com>, Deepika Seelam <Deepika.Seelam@microsoft.com>, Alexis Slater <aslater@microsoft.com>, Naren Narendra <narena@microsoft.com>, Shikher Saluja <shsaluja@microsoft.com>, Himanshu Barik <hbarik@microsoft.com>, Garima Singh <garsingh@microsoft.com>, James Wee <James.Wee@microsoft.com>, Chris Pietschmann <cpietschmann@solliance.net>, Dan Patrick <dan@solliance.net>, Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <Daneene.Christmas@solliance.net>, Tim Henning <timh@solliance.net>, Joel Hulen <joel@solliance.net>, James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Per IM, the clarification is to change the scenario for the MCW to Red Hat vs asking the customer to make a swap in the scenario.

That should make more sense.

Cheers,

Locky

The difficulty with trying to swap RH for CentOS is that CentOS is free and RHEL isn't.

We'd basically be asking the customer to spend more money.

Most CentOS customers used it because it was, essentially, a free version of RHEL.

I think this should say with Red Hat, for the scenario.

Cheers,

Locky

Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Hey @Shelley Way

Comments on #3:

"We can replace CentOS with <mark>Linux</mark> in the MCW"

Can you clarify what you mean by this? Because CentOS is itself a Linux distribution.

Did you mean one of the CentOS forks like Alma Linux or Rocky Linux?

"I am not sure if CentOS EOL is public"

Yes, it is very public:

CentOS EOL Dates - CentOS Blog

EOL CentOS | End of Life (EOL) | Lifecycle

From: Shelley Way <sway@microsoft.com>
Sent: Friday, October 14, 2022 1:31 PM
To: David Dennis (OSS) <Dennis.David@microsoft.com>; Locky Ainley <Lachlan.Ainley@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Thanks @Sohail Zakaria and @Locky Ainley for syncing on this and providing direction on direction. Team here is the summary changes:

1. Ensure we integrate Linux to IaaS as the core migration scenario. Why: Because we need to ensure the customers are comfortable first. Most customers want to initially migrate but leaving it simple and getting over the line to the cloud. Modernization is the after fact in cases we have seen.
2. Ensure we inject content around Redhat and AHUB. This is key for the field to understand and how to articulate savings when leveraging AHUB. Locky can supply content here.
3. We can replace CentOS with Linux in the MCW. And given the CentOS EOL David you bring up, separately lets get some field messaging around it. I am not sure if CentOS EOL is public but we should have messaging and guidance

around what the conversation and migration scenario looks like for customers. I am sure there are customers out there that are thinking about this

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Sent from Outlook

From: David Dennis (OSS) <Dennis.David@microsoft.com>
Sent: Monday, October 10, 2022 2:34 PM
To: Locky Ainley <Lachlan.Ainley@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Shelley Way <sway@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Hey @Dawnmarie DesJardins (GP Strategies Corporation)

Re: CentOS

Did the team consider that CentOS will be EOL in the not too distant future?

Most customers are trying to move away from it to alternatives as it nears EOL.

Perhaps one of the CentOS replacements like Alma or Rocky would be an alternative.

From: Locky Ainley <Lachlan.Ainley@microsoft.com>
Sent: Monday, October 10, 2022 2:26 PM
To: Sohail Zakaria <sozakari@microsoft.com>; Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Shelley Way <sway@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Thanks Zak, we should make sure we pivot back to an IaaS migration. What is this objection?

Cheers,

Locky

From: Sohail Zakaria <sozakari@microsoft.com>
Sent: Monday, October 10, 2022 1:25 PM
To: Locky Ainley <Lachlan.Ainley@microsoft.com>; Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Shelley Way <sway@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>; James Wee <James.Wee@microsoft.com>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Hi @Locky –

Happy to chat more 1:1.

I am good with the original outline below as this will include the ==objection for Redhat==. We need to ensure we have umbrella coverage for Linux flavors. This is key and agree also with you on the AHB for Linux differentiation. We need to ensure this is incorporated.

Zak

From: Locky Ainley <Lachlan.Ainley@microsoft.com>
Sent: Friday, October 7, 2022 1:30 PM
To: Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Shelley Way <sway@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Thanks for getting back to me Dawnmarie.

Can you please make the pivot back to Red Hat. That is where our TAM for Linux migration is, and where Azure has a unique differentiation with AHB for Linux.

This is an infrastructure scenario so please have it focus on on-prem to IaaS (vs PaaS) comparisons. Linux IaaS on Azure is our biggest ACR driver, and is also where we trail the competition the most in terms of customer adoption, so it is super important we land the right focus here.

Cheers,

Locky

Hi Locky,

Your timing is perfect; I was just working on this.

I went through my notes from the 9/20 & 10/4 meetings. On 9/20, the team decided to move away from RedHat and use CentOS in the workshop. We will have a mention RedHat as a customer objection, so it is in there. **Andrew/Paige/Dan** – can you help me out with the technical reasons, was it something about licensing?

Beyond that, I think we have what you're looking for, let us know if I'm incorrect.
- Migrating Linux to on-prem & cloud in Azure.
- WDS will compare cost of PaaS/IaaS – including manpower, automation, and scalability
- Cost of moving on-prem to cloud is #1 IRL objection the field sees, include in WDS
- Focus on modernizing with little effort & resiliency gained (extending app life hundreds of times, provides better service)
- Making apps more viable
- How apps are more available, multi-region, BCDR story
- Customer problem, currently only has 1 datacenter, with move will gain access to all regions (PaaS) Hot/hot scenario
- Saving money and manpower with the migration
- Ability to move funds from "need to higher more admins" to allow for more data scientists to increase innovation, grow their business

I've attached the notes from 9/20 if you need them.

Thank you!
Dawnmarie

Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>; Raushni Gupta <raushnigupta@microsoft.com>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Following up here.

Dawnmarie, can we please get an ack on the pivot below.

Cheers,

Locky

From: Locky Ainley
Sent: Wednesday, October 5, 2022 10:34 AM
To: Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>; Shelley Way <sway@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige Tinker <Paige.Tinker@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>
Subject: RE: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Thanks for sharing this Dawnmarie.

Im a little confused with the scenario below as this customer scenario should be focused on Migration of Linux on Prem to Azure IaaS solutions.

The example should be encompassing the AHB savings for Red Hat and SUSE and the benefits of integrated support with these ISVs. The scenario should tap into the benefits of automation, optimization and scalability on Azure.

Can we please update.

Cheers,

Locky.

From: Dawnmarie DesJardins (GP Strategies Corporation) <v-dadesj@microsoft.com>
Sent: Tuesday, October 4, 2022 4:46 PM
To: Shelley Way <sway@microsoft.com>; Sohail Zakaria <sozakari@microsoft.com>; Bill Livezey <wlivezey@microsoft.com>; George Hunter <gehu@microsoft.com>; Matt Parrilli <maparri@microsoft.com>; Paige

Tinker <Paige.Tinker@microsoft.com>; Locky Ainley <Lachlan.Ainley@microsoft.com>; Assaf Berenson <assafb@microsoft.com>; Andrew Ireland <Andrew.Ireland@microsoft.com>; Bryan Tang <Bryan.Tang@microsoft.com>; Deepika Seelam <Deepika.Seelam@microsoft.com>; Alexis Slater <aslater@microsoft.com>; Naren Narendra <narena@microsoft.com>; Shikher Saluja <shsaluja@microsoft.com>; Himanshu Barik <hbarik@microsoft.com>; David Dennis (OSS) <Dennis.David@microsoft.com>; Garima Singh <garsingh@microsoft.com>; James Wee <James.Wee@microsoft.com>; Chris Pietschmann <cpietschmann@solliance.net>; Dan Patrick <dan@solliance.net>
Cc: Daneene Christmas <daneene.christmas@solliance.net>; Tim Henning <timh@solliance.net>; Joel Hulen <joel@solliance.net>
Subject: MCW: Building the business migration case with Linux and OSS DB to Azure (Meeting Notes/Action items)

Hello everyone,

Thank you so much for the great conversation this afternoon, here are my notes. If you missed the meeting, the recording and transcripts are attached. Please review and let us know if you have any additions or questions.

We want to have content confirmed by EOD Friday so Solliance can begin to build the drafts next week.

Action items
Dawnmarie – Due 10/4/22
- Send meeting notes/recording to team (complete)
- Send review email for WS/SQL Server MCW to Paige & Andrew (complete)

SMEs – Due 10/6/22
- Review meeting recording and/or notes for completeness and accuracy.
- Reply all with any additions or questions

If you have any questions, don't hesitate to reach out! I'm looking forward to working with everyone.

Meeting recording (Apologies there are two recordings, something must have happened in Teams)
New MCW Outline review_ Migrate case for Linux and OSS DB to Azure-20221004_140450-Meeting Recording.mp4 (sharepoint.com)
New MCW Outline review_ Migrate case for Linux and OSS DB to Azure-20221004_140450-Meeting Recording 1.mp4 (sharepoint.com)

Meeting transcript
Attached

Development Schedule
SMEs identified & pre-build questionnaire: 9/13/22 (complete)
Kick-off meeting: 9/20/22 (complete)
Outline review: 10/4/22 (complete)
Notes reviewed/content confirmed: 10/7/22
Drafts due: 11/11/22
SME review: 11/14/22 – 11/23/22
Final due: 11/29/22
QC/Publish: 12/2/22
Spektra build: 12/5/22

Meeting notes

(Original outline is in black, discussion notes are blue)

Customer situation

Terra Firm Laboratories is a global bioengineering company that's the leading researcher and innovator in genetic and biological science technology. The company was founded in 1975 with its corporate headquarters in Palo Alto, CA. Their mission-critical workloads are currently hosted in an on-premises datacenter and are beginning a journey to modernize and migrate into the cloud using Microsoft Azure.

The CTO, Dennis Nedry, has kicked off an initiative for the organization to begin adopting the Microsoft Azure cloud, and modernize its infrastructure. He has already had his team begin assessing their current environment and what it will take to migrate to the cloud. They are looking to optimize their technology investments by reducing technical debt and streamlining operations using Platform as a Service (PaaS) cloud services.

Terra Firm Laboratories has already completed the first round of analysis to identify the applications and workloads to begin migrating first. Out of the total of over 250 workloads they currently have running on-premises, they have identified one workload that exemplifies multiple components that are common across many of their other workloads. The workload is also not their most complicated, so it should prove well to prove out the migration plan as it's developed. This workload includes CentOS Linux servers hosting a PHP application that uses a MySQL backend database.

They need to start with creating a migration plan around this workload to prove the larger overall strategy that will be implemented. According to Nedry, "It's really important we have a solid migration plan, as we will be sunsetting our on-premises datacenter in the next 2 to 3 years."

Authors will make sure to weave into the story:
> Making apps more viable
> How apps are more available, multi-region, BCDR story
> Currently only 1 datacenter, will gain access to all regions (PaaS) Hot/hot scenario
> Saving money and manpower with the migration
> PHP app & Azure managed DB for MySQL

Items to work through Whiteboard Design Session

1. Determine the appropriate application hosting in Azure using PaaS services, identify the maintenance and **cost benefits** compared to IaaS, and configure multi-region resiliency (including cost around manpower/people time to manage VM - no maintenance, patching, upgrading)
2. Determine the appropriate database hosting in Azure for the MySQL database, identify the maintenance and cost benefits compared to IaaS, and configure multi-region resiliency
3. Determine migration process to minimize downtime and potential data loss
4. Determine security recommendations for integrating with on-premises networks

Discussion Notes
Q: Can we touch on storage - multi region for BCDR & processing, but what about storage?
> Less management? Ability to failover by themselves? Chris & Pat to discuss - would be part of the app to fit in

Possible mention of CosmosDB in future for storage - active vs passive (making cloud-native)
Focus/mention on resiliency (extend app life hundreds of times, provides better service)
No more patching - data breaches
CI CD pipeline - security into build mechanism (possible) - adds to modernization aspect
Gives ability to move funds from need to high more admins to data scientists so increase innovation, grow their business

Q: SLA? Importance of the app, determine and discuss. How important, how does it match up.
Possible side exercise for learners, possible customer objection.

Q: Is IaaS like for like? Would that be an optimization? (Default going to cloud, what do costs look like, management costs vs. PaaS)

Items to work through in the Lab

1. Migrate PHP application to Azure App Service with multi-region
2. Migrate MySQL database to Azure Database for MySQL
3. Configure Network connection between on-premises network and Azure VNet

Have a wonderful evening,
Dawnmarie

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