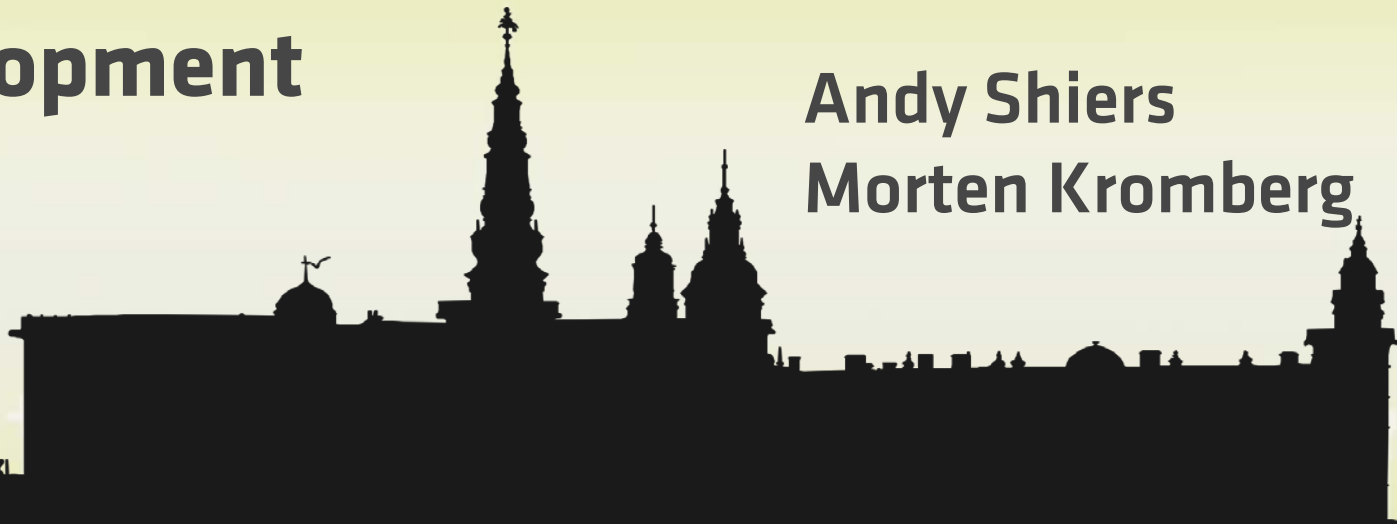


Cloud Development

Andy Shiers
Morten Kromberg



Cloud Development

"Bring your own small application and at the end of this workshop you should have it up and running under Amazon Web Services and/or Microsoft Azure.

Includes an introduction to running under Linux for Windows bigots, RIDE, and a few words about service authentication using Certificates."



Agenda

- Cloud Platforms – Basic Setup
 - Microsoft Azure (MiServer)
 - Amazon AppStream (Arachnid)
 - Amazon Web Services

1st BREAK

- Developing a Secire Conga-Based Service under Amazon AWS
- Presentation of APLCloud.com by Woodley Butler

2nd BREAK

- Linux for Windows APL'ers
- Time to experiment with setting up virtual machines



Microsoft Azure

- Andy gets MiServer up and running under Azure



Amazon AppStream

- Morten gets Arachnid up on AppStream
- Stream Remote Desktop to a Browser
- App Stream 2.0 supports any application that can run on Microsoft Windows Server 2012 R2 OS. Apps are accessed through an HTML5-capable browser, for better or worse.



Amazon AppStream Pro & Con

The Register, Dec 2nd 2016:

Though AppStream may find fans among companies that want to offer legacy desktop applications without the chore of managing them on local IT infrastructure, the service comes at a cost.

Starting at a minimum of \$0.11/hour for two CPUs and 4GiB of memory, eight hours of use per day over 216 business days in a year comes to \$190, plus \$50/year per registered user to cover the Microsoft RDS software license.

<https://aws.amazon.com/appstream2/pricing/>



Amazon Web Services

- Andy gets PrimeServer up and running under Linux on AWS
- Why Linux?
- etc



AWS Console - Signup x

Secure | https://portal.aws.amazon.com/billing/signup?redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation#/sup...

Support Plan

AWS Support offers a selection of plans to meet your needs. All plans provide 24x7 access to customer service, AWS documentation, whitepapers, and support forums. For access to technical support and additional resources to help you plan, deploy, and optimize your AWS environment, we recommend selecting a support plan that best aligns with your AWS usage.

Please Select One

- ☒ **Basic**
Description: Customer Service for account and billing questions and access to the AWS Community Forums.
Price: Included
- ☐ **Developer**
Use case: Experimenting with AWS
Description: One primary contact may ask technical questions through Support Center and get a response within 12–24 hours during local business hours.
Price: Starts at \$29/month (scales based on usage)
- ☐ **Business**
Use case: Production use of AWS
Description: 24x7 support by phone and chat, 1-hour response to urgent support cases, and help with common third-party software. Full access to AWS Trusted Advisor for optimizing your AWS infrastructure, and access to the AWS Support API for automating your support cases and retrieving Trusted Advisor results.
Price: Starts at \$100/month (scales based on usage)
- ☐ **Enterprise**
Use case: Mission-critical use of AWS
Description: All the features of the Business support plan, plus an assigned Technical Account Manager (TAM) who provides proactive guidance and best practices to help plan, develop, and run your AWS solutions, a Support Concierge who provides billing and account analysis and assistance, access to Infrastructure Event Management to support product launches, seasonal promotions/events, and migrations, and 15-minute response to critical support cases with prioritized case handling.
Price: Starts at \$15,000/month (scales based on usage)

If you select this option, customer support will contact you within 48 hours to discuss your needs and finalize



File Message Help Tell me what you want to do


Delete Archive Reply Reply All Forward Quick Steps Move Mark Unread Categorize Follow Up Translate Zoom

fr 01-09-2017 15:02

AW Amazon Web Services <no-reply-aws@amazon.com>
Welcome to Amazon Web Services

To: mkrom@dyalog.com

i If there are problems with how this message is displayed, click here to view it in a web browser.
Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.




Welcome to Amazon Web Services

Thank you for creating an Amazon Web Services account. For the next 12 months, you'll have access to AWS compute, storage, database, and application services within the limits of the [Free Tier](#).

Getting Started Resources »

Welcome to the Amazon Web Services community!

—The Amazon Web Services Team





Services

Resource Groups



Morten Kromberg

Ireland

Support

Create AppStream 2.0 Stack

[Step 1: Stack Details](#)[Step 2: Enable Storage](#)**Step 3: Review**

Error

The Stack count limit was exceeded. Requested: 1, Limit: 0



Review

Review the details of the stack below.

Stack details

[Edit](#)

Name	SA2
Display name	SA2
Description	SA2

Storage Details

[Edit](#)

Home Folders	Enabled
S3 Bucket Name	appstream2-36fb080bb8-eu-west-1-352645159704

[Cancel](#)[Previous](#)[Create](#)

APL Under Linux

- Andy



Authentication with Certificates

- Morten



APLCloud - Woodley



Summary – Comparisons & Conclusions

