

---

**From:** [REDACTED]  
**Sent:** Thursday, June 21, 2018 7:46 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: CNN - Amazon shareholders call for halt of facial recognition sales to police

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Hi [REDACTED]

Here is our latest blog post that Matt Wood wrote: <https://aws.amazon.com/blogs/machine-learning/some-quick-thoughts-on-the-public-discussion-regarding-facial-recognition-and-amazon-rekognition-this-past-week/>.

Please let me know if you want to get on a call to discuss.

[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Wednesday, June 20, 2018 1:01 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Fw: CNN - Amazon shareholders call for halt of facial recognition sales to police

[REDACTED],

We are seeing an increase in FOIA requests many of which are from outside our region. We believe the increase is triggered by the CNN article.

Do you have an official statement, if so would it be possible to get a copy?

Regards,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



---

**From:** [REDACTED]  
**Sent:** Monday, June 18, 2018 6:20 PM  
**To:** [REDACTED]  
**Subject:** CNN - Amazon shareholders call for halt of facial recognition sales to police

FYI

<http://money.cnn.com/2018/06/18/technology/amazon-facial-recognition/>

[REDACTED]  
Office of the Mayor  
City of Orlando  
400 South Orange Avenue  
Orlando, FL 32802

[REDACTED]  
#OrlandoUnited

[facebook.com/orlandomayor](https://www.facebook.com/orlandomayor)  
[@OrlandoMayor](https://www.facebook.com/OrlandoMayor)

Visit [CityofOrlando.net](http://CityofOrlando.net) to get the latest news and information or [click here](#) to subscribe to our Newsletter from Orlando Mayor Buddy Dyer.

---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** [REDACTED]  
**Sent:** Wednesday, June 06, 2018 3:22 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: City of Orlando - POC architecture diagram  
**Attachments:** Orlando-POC-20180213-architecture.pdf

Thank you [REDACTED],

Is there any details that is considered IP property that AWS request to be redacted from FOIA requests?

[REDACTED]

[REDACTED]



---

**From:** [REDACTED]  
**Sent:** Wednesday, June 6, 2018 1:58:51 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: City of Orlando - POC architecture diagram

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Hi [REDACTED]

Here are the architecture slides [REDACTED] put together. The subtle different between current and planned would provide for a more dynamic notification list when a POI has been identified. For the POC, we made this a fixed contact list to save some time.

Let me know if you have any questions.

Thanks,  
[REDACTED]

---

**From:** [REDACTED]  
**Date:** Wednesday, June 6, 2018 at 1:31 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** City of Orlando - POC architecture diagram

[REDACTED],

Please provide the City with the City/AWS POC architecture diagram.

Thank you,



---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** [REDACTED]  
**Sent:** Wednesday, June 06, 2018 1:59 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: City of Orlando - POC architecture diagram  
**Attachments:** Orlando-POC-20180213-architecture.pdf

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Hi [REDACTED]

Here are the architecture slides [REDACTED] put together. The subtle different between current and planned would provide for a more dynamic notification list when a POI has been identified. For the POC, we made this a fixed contact list to save some time.

Let me know if you have any questions.

Thanks,

---

**From:** [REDACTED]  
**Date:** Wednesday, June 6, 2018 at 1:31 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** City of Orlando - POC architecture diagram

[REDACTED],

Please provide the City with the City/AWS POC architecture diagram.

Thank you,

[REDACTED]

[REDACTED]



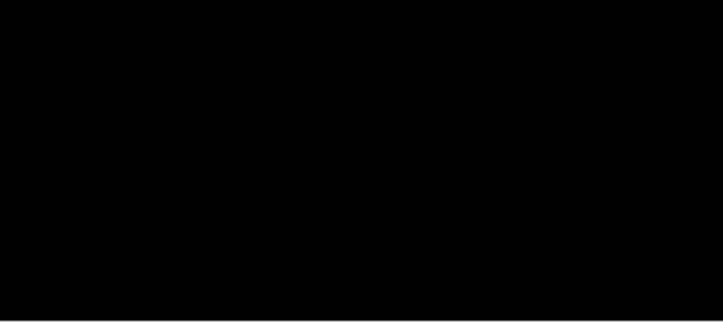
---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** [REDACTED]  
**Sent:** Wednesday, June 06, 2018 1:25 PM  
**To:** [REDACTED]  
**Subject:** Fw: Completed: City of Orlando - AWS Professional Services Statement of Work (2017)  
**Attachments:** City of Orlando - AWS Professional Services Statement of Work (2017).pdf;  
Summary.pdf

FYI..



---

**From:** DocuSign System <dse@docusign.net> on behalf of [REDACTED] via DocuSign <dse@docusign.net>  
**Sent:** Tuesday, December 19, 2017 6:35 PM  
**To:** [REDACTED]  
**Subject:** Completed: City of Orlando - AWS Professional Services Statement of Work (2017)



Your document has been completed

**REVIEW DOCUMENT**

All parties have completed City of Orlando - AWS Professional Services Statement of Work (2017).

This is a request to have the City of Orlando - AWS Professional Services Statement of Work (2017) signed by all parties using DocuSign.

Thank you,



Powered by 

**Do Not Forward This Email**

Please do not share this email or its contents. You may not ask others to e-sign documents for you.

**Alternate Signing Method**

Visit [DocuSign.com](https://www.docusign.com), click 'Access Documents', and enter the security code:

9748A97165354D10812263A5365561941

**Use of DocuSign**

By using DocuSign, each party agrees this electronic method of signing is an enforceable method of signing this document. Amazon counterparties should download a copy of the fully executed document for their own records. It will be stored on DocuSign only temporarily.

 [Download the DocuSign App](#)

This message was sent to you by Veronica Marsh who is using the DocuSign Electronic Signature Service. If you have questions, believe you received this message in error, or don't want email from this sender, please contact the sender.

Amazon, Amazon.com and the Amazon.com logo are registered trademarks of Amazon.com or its affiliates.

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and

media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** Das, Ranju [REDACTED]  
**Sent:** Saturday, June 02, 2018 3:12 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Apology

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Dear Chief Canty and Ms. Akhtarkhavari,

During a recent presentation I misspoke about the City of Orlando's use of AWS technologies. I was aware that the City of Orlando is testing Amazon Rekognition Video and Amazon Kinesis Video Streams internally to find ways to increase public safety and operational efficiency, but that it was not correct to state that they had installed cameras all over the city or are using these services in production.

I sincerely apologize for any misunderstanding.

Regards

Ranju Das  
Director – Amazon Rekognition

---

**From:** [REDACTED]  
**Sent:** Thursday, May 31, 2018 7:41 PM  
**To:** [REDACTED]  
**Subject:** Re: AWS - Smart City follow up

No problem at all. Just wanted to make sure you were aware.

The public release of Rekognition has been a pretty big deal. Interested to see where the AWS services will go with these technologies.

[REDACTED]  
City of Orlando  
[REDACTED]

Please excuse any typos. Sent using [Outlook](#) app.

---

**From:** [REDACTED]  
**Sent:** Thursday, May 31, 2018 6:56:47 PM  
**To:** [REDACTED]  
**Subject:** RE: AWS - Smart City follow up

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

[REDACTED]

My apologies. I'm assuming you are working with [REDACTED] and the rest of our technical team. I support that group but apologies on not being coordinated with them.

[REDACTED]  
Amazon Web Services  
World Wide Public Sector  
[REDACTED]



[Leave Anytime Feedback On My Performance](#)

---

**From:** [REDACTED]  
**Sent:** Thursday, May 31, 2018 6:54 PM  
**To:** [REDACTED]  
**Subject:** Re: AWS - Smart City follow up

Thanks, [REDACTED]

Are you aware of the existing smart cities work we are doing together already?

[REDACTED]  
City of Orlando  
[REDACTED]

Please excuse any typos. Sent using [Outlook](#) app.

---

**From:** [REDACTED]  
**Sent:** Thursday, May 31, 2018 6:50:22 PM  
**To:** [REDACTED]  
**Subject:** AWS - Smart City follow up

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

[REDACTED]

I'm reaching out from Amazon Web Services, following up on your attendance to the Smart Cities event in Kansas. AWS is doing a lot of work in the smart city space.

Check out our main page here: <https://aws.amazon.com/smart-cities/>

I'm happy to connect with you to discuss the work we are doing and how we can potentially support the City of Orlando.

Thanks,  
[REDACTED]

[REDACTED]



[Leave Anytime Feedback On My Performance](#)

---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

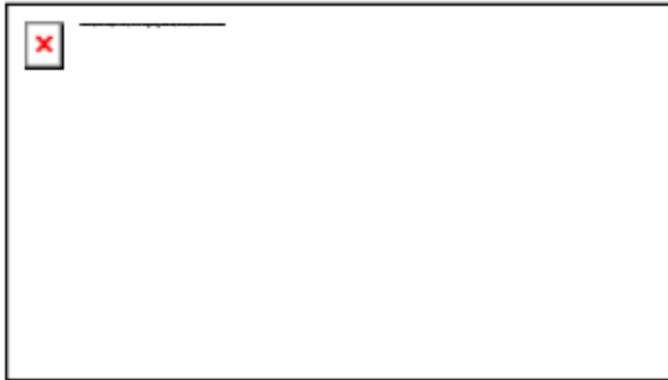
**From:** [REDACTED]

**Sent:**

Wednesday, May 23, 2018 7:00 PM

**To:** [REDACTED]

<http://www.orlandosentinel.com/news/orange/os-orlando-police-amazon-rekognition-20180523-story.html>



## Orlando police Chief John Mina says 'we're not tracking citizens' in test of Amazon facial-recognition software

www.orlandosentinel.com

Orlando Police Chief John Mina said Wednesday his department isn't using Amazon's Rekognition surveillance software to track citizens. In fact, the system is only ...



---

**From:** [REDACTED]  
**Sent:** Thursday, May 17, 2018 11:00 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: AWS Lambda: Node.js v4.x is now EOL, please migrate your functions to a newer runtime version [AWS Account: [REDACTED]]

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

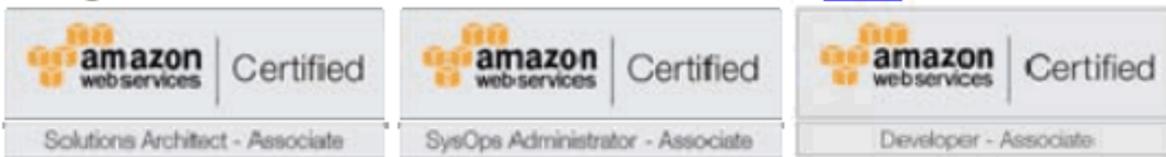
Sorry - just saw this. No, I'll update the Lambda function I have in there. If you recall, there's a bucket with the Person of Interest pictures, and I have a Lambda function that runs to add new additions to the collection that Rekognition uses in its searching. I don't recall if I did it in Node.js or Python (though Python is more likely), so I can update it, if that's needed.

This email contains **AMAZON CONFIDENTIAL** information.

[REDACTED]

**cell:** [REDACTED]  
**email:** [REDACTED]

Thoughts on our interaction? Provide Feedback [here](#).



---

**From:** [REDACTED]  
**Sent:** Tuesday, May 15, 2018 7:07 AM  
**To:** [REDACTED]  
**Subject:** Fw: AWS Lambda: Node.js v4.x is now EOL, please migrate your functions to a newer runtime version [AWS Account: [REDACTED]]

Good morning,

Do we need to worry about this?

[REDACTED]

City of Orlando  
[REDACTED] office  
[REDACTED] cell



---

**From:** Amazon Web Services, Inc. <[no-reply-aws@amazon.com](mailto:no-reply-aws@amazon.com)>

**Sent:** Tuesday, May 15, 2018 1:04 AM

**To:** [REDACTED]

**Cc:** [REDACTED]

**Subject:** AWS Lambda: Node.js v4.x is now EOL, please migrate your functions to a newer runtime version [AWS

**Account:** [REDACTED]

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,

Your AWS Account currently has one or more Lambda functions configured to use the Node.js v4.3 runtime. The Node Foundation declared End-of-Life (EOL) for Node.js v4 on April 30, 2018. As a result, this version of Node.js is no longer receiving bug fixes, security updates, or performance improvements from the Node Foundation. Per the AWS Lambda runtime support policy [2], language runtimes that have been end-of-lived by the supplier are deprecated in AWS Lambda. While invocations of Lambda functions configured to use Node.js v4.3 will continue to work normally, the ability to create new Lambda functions configured to use the Node.js v4.3 runtime will be disabled on July 31, 2018. Code updates to existing functions using Node.js v4.3 will be disabled on October 31, 2018. We strongly encourage you to update all your functions to a newer version of Node.js (v6.10 or v8.10) so that you continue to benefit from important security, performance, and functionality enhancements offered by the Node Foundation via more recent releases.

Which version of Node.js should I migrate to?

While Node.js v6.10 is available on AWS Lambda, we recommend that you migrate directly to Node.js v8.10, a newer version with improved ES6 support and other language and API improvements. The AWS Lambda programming model for Node.js v8.10 maintains backwards compatibility with previous versions to simplify portability. We recommend that you test your Lambda function to validate its behavior on the newer version of Node.js.

Resources:

[1] Node Foundation's announcement of EOL: <https://medium.com/the-node-js-collection/april-2018-release-updates-from-the-node-js-project-71687e1f7742>

[2] AWS Lambda runtime support policy: <https://docs.aws.amazon.com/lambda/latest/dg/runtime-support-policy.html>

[3] Using the AWS Lambda Node.js v8.10 runtime: <https://aws.amazon.com/blogs/compute/node-js-8-10-runtime-now-available-in-aws-lambda/>

[4] Changes between v4 and v5: [https://github.com/nodejs/node/blob/v6.x/doc/changelogs/CHANGELOG\\_V5.md](https://github.com/nodejs/node/blob/v6.x/doc/changelogs/CHANGELOG_V5.md)

[5] Changes between v5 and v6: [https://github.com/nodejs/node/blob/v6.x/doc/changelogs/CHANGELOG\\_V6.md](https://github.com/nodejs/node/blob/v6.x/doc/changelogs/CHANGELOG_V6.md)

[6] Changes between v5 and v6: [https://github.com/nodejs/node/blob/v7.x/doc/changelogs/CHANGELOG\\_V7.md](https://github.com/nodejs/node/blob/v7.x/doc/changelogs/CHANGELOG_V7.md)

[7] Changes between v7 and v8: [https://github.com/nodejs/node/blob/v8.x/doc/changelogs/CHANGELOG\\_V8.md](https://github.com/nodejs/node/blob/v8.x/doc/changelogs/CHANGELOG_V8.md)

Sincerely,

Amazon Web Services

Amazon Web Services, Inc. is a subsidiary of Amazon.com, Inc. Amazon.com is a registered trademark of Amazon.com, Inc. This message was produced and distributed by Amazon Web Services Inc., 410 Terry Ave. North, Seattle, WA 98109-5210

---

Reference: <https://phd.aws.amazon.com/phd/home#/event->

[log?Event%20ARN=arn:aws:health:global::event/AWS\\_LAMBDA\\_OPERATIONAL\\_NOTIFICATION\\_90b9c793-9287-453b-](https://phd.aws.amazon.com/phd/home#/event-log?Event%20ARN=arn:aws:health:global::event/AWS_LAMBDA_OPERATIONAL_NOTIFICATION_90b9c793-9287-453b-)

[a1a7-fd5c4f7aca3c&eventID=arn:aws:health:global::event/AWS\\_LAMBDA\\_OPERATIONAL\\_NOTIFICATION\\_90b9c793-9287-453b-a1a7-fd5c4f7aca3c&eventTab=details&layout=vertical](https://a1a7-fd5c4f7aca3c&eventID=arn:aws:health:global::event/AWS_LAMBDA_OPERATIONAL_NOTIFICATION_90b9c793-9287-453b-a1a7-fd5c4f7aca3c&eventTab=details&layout=vertical)

---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** [REDACTED]  
**Sent:** Thursday, April 19, 2018 6:26 PM  
**To:** [REDACTED]  
**Subject:** RE: test

**ATTENTION:** This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hey, [REDACTED] We got the test email. This is primarily for the service team so they can see what's happening with Rekognition when you guys mail us a 'walk by' notice.

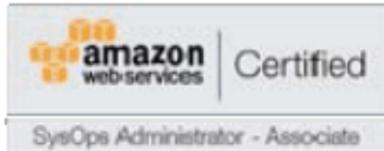
This email contains **AMAZON CONFIDENTIAL** information.

=====

[REDACTED]

**cell:** [REDACTED]  
**email:** [REDACTED]

Thoughts on our interaction? Provide Feedback [here](#).



---

**From:** [REDACTED]  
**Sent:** Thursday, April 19, 2018 9:39 AM  
**To:** [REDACTED]  
**Subject:** test

test

[REDACTED]

City of Orlando

[REDACTED]



---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** [REDACTED]  
**Sent:** Thursday, April 19, 2018 9:39 AM  
**To:** [REDACTED]  
**Subject:** test

test

[REDACTED]  
City of Orlando

[REDACTED] office  
[REDACTED] cell



---

**From:** [REDACTED]  
**Sent:** Monday, March 26, 2018 5:06 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Uploaded 33 more images

**ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.**

Hey [REDACTED]

I'm still working on this restart script. It's being more of an issue than I thought. How many streams do you have running in total right now? We were looking for 8 or so streams by the end of last week.

Also, if you wouldn't mind sending updates to [REDACTED] anytime someone walks by a camera so the service teams know that would be really appreciated.

Thanks,

[REDACTED]

**P:** [REDACTED]  
**E:** [REDACTED]

Thoughts on our interaction? Provide feedback [here](#).

This email contains **AMAZON CONFIDENTIAL** information.

=====

---

**From:** [REDACTED]  
**Sent:** Thursday, March 22, 2018 1:56 PM  
**To:** [REDACTED] >  
**Cc:** [REDACTED]  
**Subject:** Re: Uploaded 33 more images

Hi [REDACTED]

The streams keep stopping....seems like this happens daily. I started 4 or 5 streams the other day and as you said, now only 1 is still up.

I thought you were working on a script to automatically restart them if there were issues?

[REDACTED]



---

**From:** [REDACTED]

**Sent:** Thursday, March 22, 2018 1:52 PM

**To:** [REDACTED]

**Cc:** [REDACTED]

**Subject:** RE: Uploaded 33 more images

**ATTENTION:** This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Good afternoon [REDACTED]

We are currently only seeing data from a single stream. [REDACTED] seems to be the only one that is streaming. Are there any issues with the cameras that we need to be aware of or are the streams just not running? If you need any assistance getting the streams running just let me know.

Thanks,

[REDACTED]

**P:** [REDACTED]  
**E:** [REDACTED]

Thoughts on our interaction? Provide feedback [here](#).

This email contains **AMAZON CONFIDENTIAL** information.

=====

---

**From:** [REDACTED]

**Sent:** Tuesday, March 20, 2018 1:36 PM

**To:** [REDACTED]

**Cc:** [REDACTED]

**Subject:** Uploaded 33 more images

Hey guys,

I just uploaded 33 more images....some side view, straight view and some from a higher angle.

I am still working on choosing a few more internal cameras that these officers will be able to walk by often.

[REDACTED]  
City of Orlando

[REDACTED] office  
[REDACTED] cell



---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

---

**From:** [REDACTED]  
**Sent:** Wednesday, February 14, 2018 9:11 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: AWS Video Analytics Project

Hi [REDACTED]

Here is just a brief summary of the where we are. I am happy to get on a call with you and answer any questions as well. We are also writing a more formal document with architecture diagrams and a full set of notes.

We spend two days on site last week with the primary purpose of connecting your cameras to the AWS services. We installed a VM which is the RTSP proxy. This was accomplished and we have three cameras connect streaming video to AWS. The video is streaming to our Kinesis service which is our data ingest service (on a side note if you do any smart city, or IOT services for us you will be using Kinesis for that as well). From there Kinesis serves up the video to Rekognition which is our machine learning service for facial recognition.

Currently the full loop is working. Video is being ingested, and Rekognition is analyzing it. We have had positive hits, and we have missed faces. Now we are in the fine tuning phase. We are working with the service teams to tune the system. Things to expect from us will be feedback on camera angles and resolution. We may need to make adjustments stock photos as well. This will be a very collaborative process over the next few weeks.

[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Tuesday, February 13, 2018 4:23 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: AWS Video Analytics Project

[REDACTED]

I got positive reports from my team, if possible I would like a post trip report to ensure I provide [REDACTED] and team with a progress update sometime this week.

Thanks

[REDACTED]



---

**From:** [REDACTED]

**Sent:** Monday, February 5, 2018 12:35 PM

**To:** [REDACTED]

**Subject:** RE: AWS Video Analytics Project

Hi [REDACTED]

We have a great team showing up tomorrow, and the plan is to get the cameras running for the POC. There are many factors that can affect the outcome. The POC may generate as many questions as answers.

We have spoken to the service teams and they are ready. If we discover issues through the POC we will bubble them up to the service teams. They are expecting feedback to help make the service better. We may have issues with camera angles. For example to do facial recognition we need a good shot of the persons face. So the city might need to make some adjustments there.

At the end of the POC we will need to have the conversations about sustainability and how the city would manage this going forward.

We can talk about these issues over the next couple of days in person.

[REDACTED]

---

**From:** [REDACTED]

**Sent:** Monday, February 5, 2018 11:12 AM

**To:** [REDACTED]

[REDACTED]

**Subject:** Fw: AWS Video Analytics Project

Please see below.. It is important that we deliver as promised. The inquiry is from the City CAO (City Manager).

[REDACTED]

[REDACTED]



---

**From:** [REDACTED]  
**Sent:** Thursday, February 1, 2018 9:53 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** Re: AWS Video Analytics Project

[REDACTED]

We had a slight schedule delay, the AWS team is scheduled to be on-site early next week to install the last part of the proof of concept. We expect to schedule time for demonstration sometime late February.

I will provide additional details and more accurate timeline after their visit.

Regards

[REDACTED]

[REDACTED]



---

**From:** [REDACTED]  
**Sent:** Thursday, February 1, 2018 9:45:53 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** AWS Video Analytics Project

[REDACTED]

quick check-in on status of delivery of the facial recognition solutions proof of concept, which I believe was the task due in January(?).

Thanks,

[REDACTED]

City of Orlando

[REDACTED]



## Follow us!

@citybeautiful

[facebook.com/cityoforlando](https://facebook.com/cityoforlando)

[youtube.com/cityoforlando](https://youtube.com/cityoforlando)

[flickr.com/cityoforlando](https://flickr.com/cityoforlando)

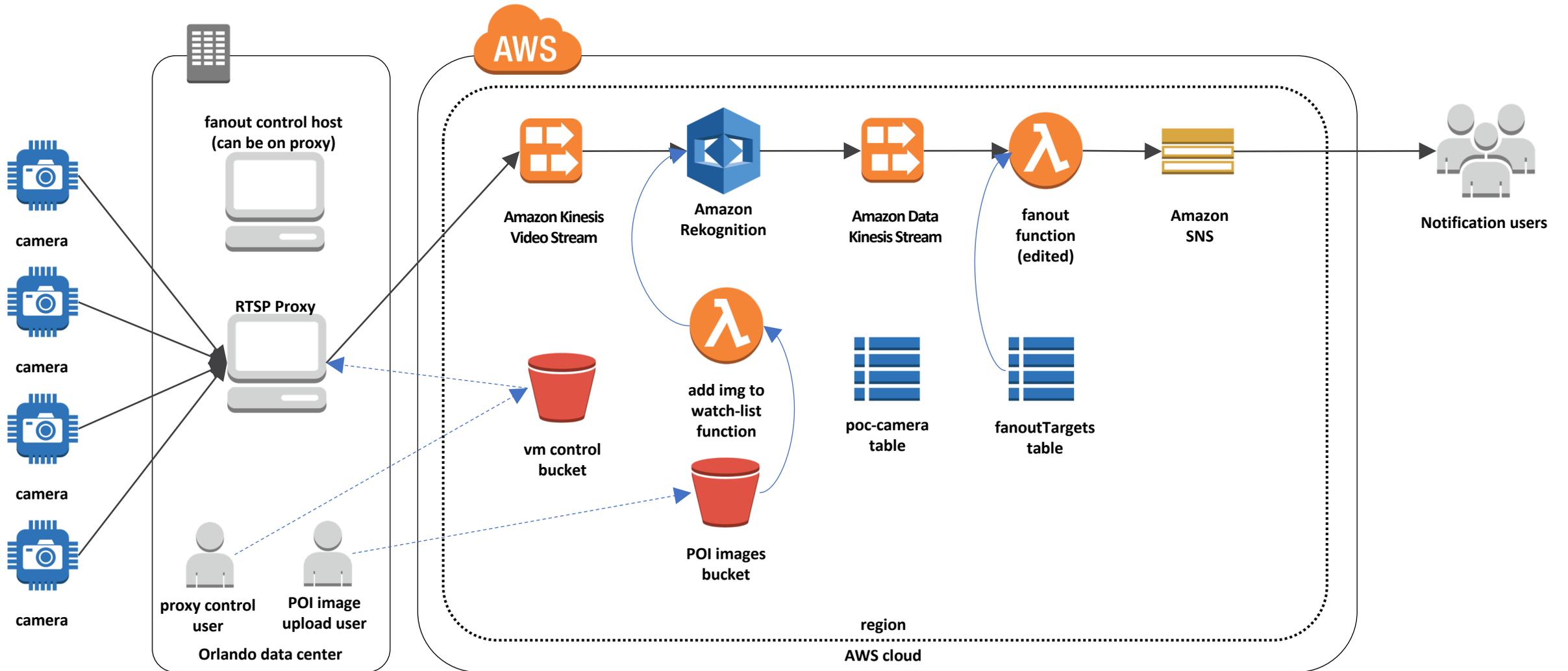
[instagram.com/thecitybeautiful](https://instagram.com/thecitybeautiful)

[engage.cityoforlando.net](https://engage.cityoforlando.net)

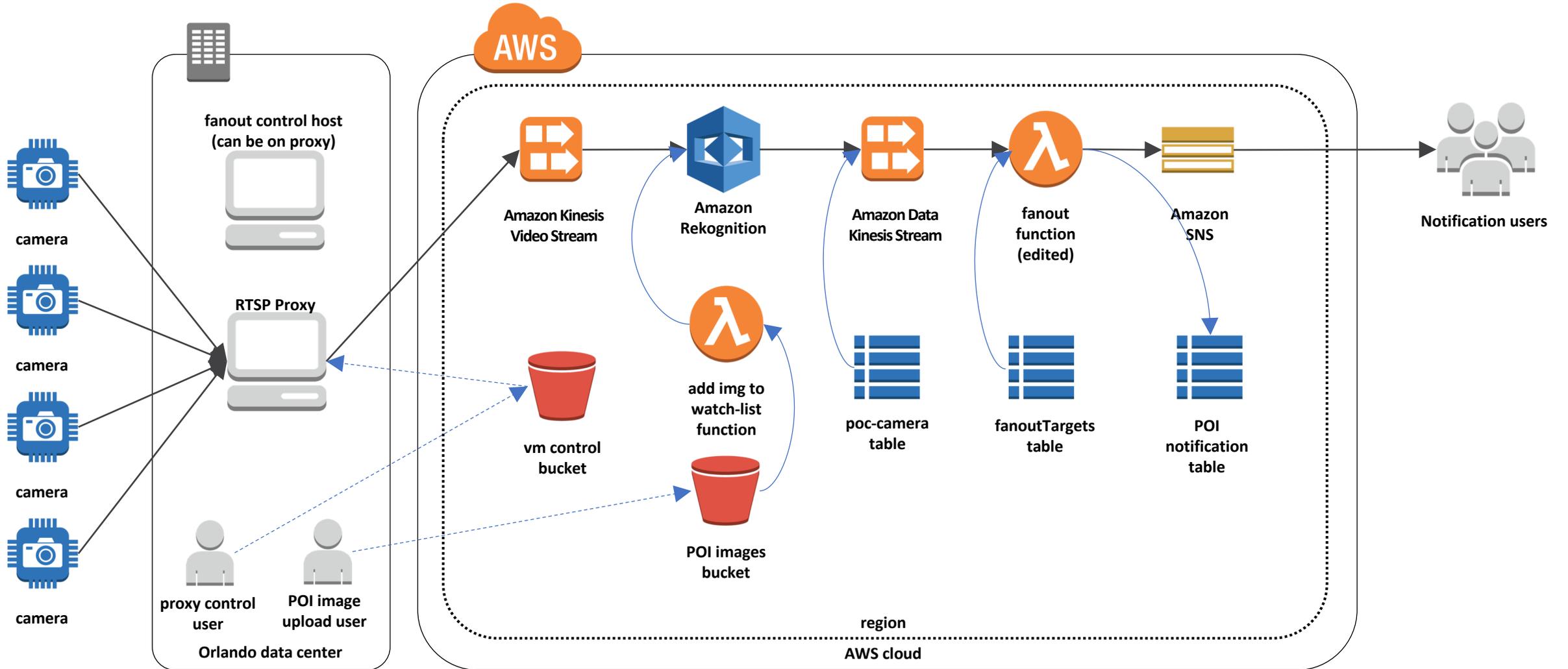
---

Florida has a very broad public records law. As a result, any written communication created or received by the City of Orlando officials and employees will be made available to the public and media, upon request, unless otherwise exempt. Under Florida law, email addresses are public records. If you do not want your email address released in response to a public records request, do not send electronic mail to this office. Instead, contact our office by phone or in writing.

# City of Orlando - Current



# City of Orlando - Planned





Amazon  
DynamoDB



Amazon  
S3



Amazon  
Rekognition



Amazon  
Kinesis



AWS  
Lambda



Amazon  
SNS



table



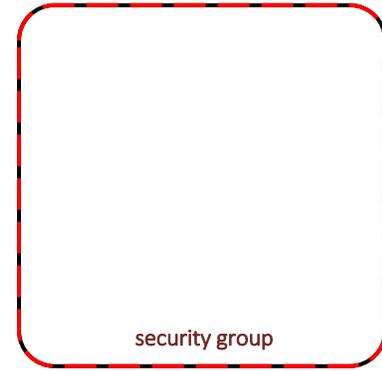
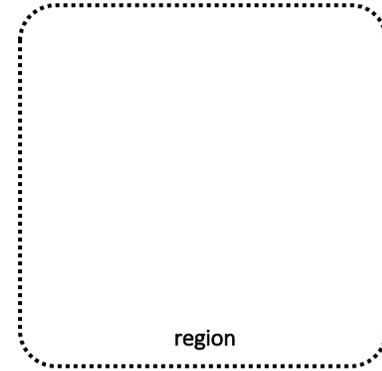
bucket



Amazon Kinesis  
Streams



Lambda  
function



AWS cloud



AWS Management  
Console



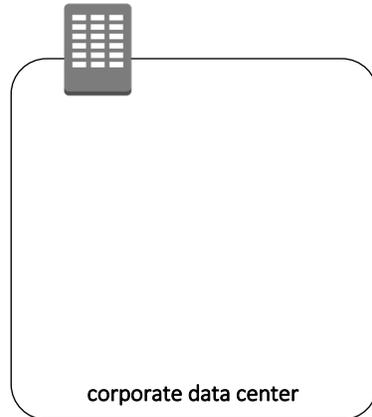
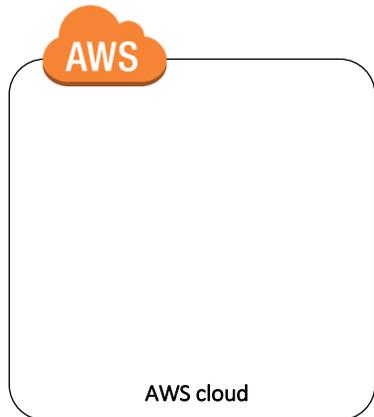
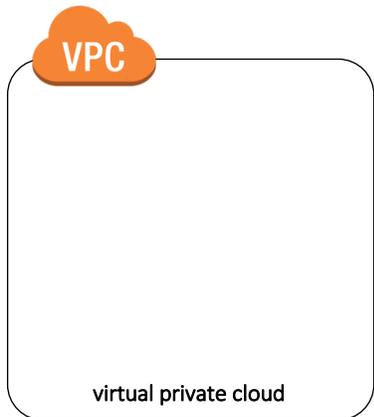
virtual private  
cloud



client



IoT thing  
camera



user



users



## AWS Professional Services – Statement of Work

<i>“Customer”</i>	City of Orlando	
<i>“AWS”</i>	Amazon Web Services, Inc.	
<i>Project Name</i>	Orlando Safety Video POC	
<i>“Project Location”</i>	Orlando, FL United States of America	
<i>Customer’s Engagement Contact Name and Email Address</i>	[REDACTED]	
<i>Customer’s Accounts Payable / Bill To / Invoice Information</i>		
<i>Customer’s Bill To Mailing Address</i>		
<i>Customer’s Bill-To-Phone Number</i>		[REDACTED]
<i>Customer’s AWS Billing Account ID</i>		[REDACTED]
<i>Currency</i>	United States Dollars (\$)	

This Statement of Work for AWS Professional Services (this “**SOW**”) is entered into between AWS and Customer. This SOW is made a part of the AWS Customer Agreement available at <http://aws.amazon.com/agreement> by and between Amazon Web Services, Inc. and Customer, or other written agreement between Amazon Web Services, Inc. and Customer governing Customer’s use of the Services (the “**Agreement**”). This SOW is effective as of the date the last party signs this SOW (the “**SOW Effective Date**”). Capitalized terms may be defined above or in the Agreement.

### Scope of the AWS Professional Services

AWS will provide the consulting and advisory services described below, for up to the total number of days set forth in this SOW.

#### Advisory on Integration and Use of AWS Services

AWS will assist Customer by providing advice on the use and integration of AWS technologies. This may include advice in the following areas:

- Architecture Planning – the development of a detailed application architecture for the proof of concept application leveraging Rekognition for video analysis
- Software Development – the development of sample configuration code for provisioning the application into the AWS environment.
- System Integration – the integration of the camera system with the configured proof of concept application.



## Schedule of Rates

AWS Professional Services are delivered solely on a “time and materials” basis. The rates for consultants are expressed in the table below as daily rates (assuming an 8-hour day). Customer will be billed for the actual time worked by the AWS consultants. The aggregate charges for consultant time under this SOW will not exceed the total in the table below, without the prior written authorization of the parties.

The currency for Schedule of Rates and Expenses is: United States Dollars (\$)

<i>Consultant Level/Role</i>	<i>Daily Rate</i>	<i>Number of Days</i>	<i>Cost</i>
<b>Adoption Incentive:</b>			
Senior Consultant	2,600	15	\$39,000
One Time Adoption Incentive Subtotal			(\$39,000)
<b>Total</b>		15	\$0

\*The Approved Days in the Schedule of Rates above are an estimate of the days required at each consultant level to complete the work under this SOW. AWS, at its sole discretion, reserves the right to use consultants at the appropriate Consultant Level for the appropriate number of days to perform the work without additional authorization from Customer. AWS will ensure that any consultant used is billed at the corresponding Daily Rate provided in the Schedule of Rates above. Furthermore, AWS will ensure that, regardless of Consultant Level and number of days, the overall Total price is not exceeded without approval from Customer. All work is contiguously scheduled. Any breaks in the engagement calendar must be scheduled in advance with AWS and must be approved in writing (email is acceptable).

## Engagement Related Expenses

Engagement expenses related to the delivery of AWS Professional Services will be billed in addition to associated consultant days as identified in the Schedule of Rates. Estimated engagement related expenses for this SOW are provided in the table below and include such expenses as lodging, meals, ground transportation, airfare, and incidental expenses. AWS will bill expenses based on actual costs incurred. The Customer will not be responsible for engagement related expenses in excess of the cost estimate provided below without the prior written authorization of the parties.

<i>Engagement Related Expenses</i>	<i>Cost Estimate</i>
Total – Not to Exceed	\$0

## Additional Terms

- 1) Some AWS Professional Services may be provided on-site at the Project Location. All other AWS Professional Services under this SOW will be provided remotely or at such other locations as may be mutually agreed.
- 2) Customer will provide AWS with timely and appropriate access to personnel, documentation, data, systems, and facilities in connection with the Professional Services described in the SOW.
- 3) AWS will provide the AWS Professional Services using skilled and experienced resources and in a professional and workmanlike manner. If AWS fails to do so then, as Customer’s sole remedy, AWS will reperform the relevant AWS Professional Services or refund the charges for such service; provided that Customer notifies AWS of the failure within three months of the date of performance.
- 4) Customer’s billing details are as set out in the table at the front of the SOW or as notified in writing from time to time by Customer. Customer consents to receiving invoices via email.



- 5) This SOW automatically terminate six months after the SOW Effective Date. Customer agrees that, upon any termination of this SOW, (a) Customer will pay AWS for the AWS Professional Services already performed or in-progress and expenses incurred through the effective date of the termination and (b) AWS will have no further obligations to Customer under this SOW.
- 6) Customer certifies that, as applicable, it has confirmed with an appropriate ethics official that there are no federal, state, local or institutional ethics or procurement laws, regulations, or other rules that would restrict or prohibit its receipt of any free services provided under this SOW.





### Acceptance and authorization

IN WITNESS WHEREOF, the parties below have executed this SOW as of the SOW Effective Date.

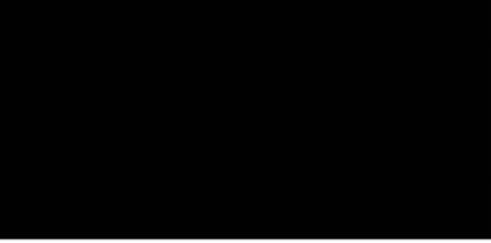
**AWS:**

**CUSTOMER:**

Amazon Web Services, Inc.

City of Orlando

DocuSigned by:  


DocuSigned by:  


Authorized Representative  
Title

Chief Procurement Officer  
Title

December 19, 2017  
Date

December 19, 2017  
Date



### Certificate Of Completion

Envelope Id: 6664977A51F144C08B36496562FD9A92  
 Subject: City of Orlando - AWS Professional Services Statement of Work (2017)  
 Document Type: AWSCA  
 Legal VP: Kimball  
 Bulk Send: No  
 Source Envelope:  
 Document Pages: 4  
 Certificate Pages: 2  
 AutoNav: Enabled  
 Envelope Stamping: Enabled  
 Time Zone: (UTC-08:00) Pacific Time (US & Canada)

Status: Completed

Signatures: 2  
 Initials: 0

Envelope Originator:



IP Address: 72.21.196.64

### Record Tracking

Status: Original  
 19-Dec-2017 | 06:29  
 Holder: [Redacted]  
 Location: DocuSign

### Signer Events

#### Signature

#### Timestamp



Sent: 19-Dec-2017 | 06:32  
 Viewed: 19-Dec-2017 | 07:03  
 Signed: 19-Dec-2017 | 12:54

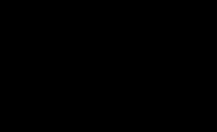
Security Level: Email, Account Authentication (None)

Using IP Address [Redacted]

Electronic Record and Signature Disclosure:  
 Not Offered via DocuSign



Authorized Representative  
 Amazon



Sent: 19-Dec-2017 | 12:59  
 Viewed: 19-Dec-2017 | 15:35  
 Signed: 19-Dec-2017 | 15:35

Security Level: Email, Account Authentication (None)

Using IP Address [Redacted]  
 Signed using mobile

Electronic Record and Signature Disclosure:  
 Not Offered via DocuSign

### In Person Signer Events

#### Signature

#### Timestamp

### Editor Delivery Events

#### Status

#### Timestamp

### Agent Delivery Events

#### Status

#### Timestamp

AWS WWPS Business Contracts



Amazon

**VIEWED**

Sent: 19-Dec-2017 | 12:55  
 Viewed: 19-Dec-2017 | 12:59  
 Completed: 19-Dec-2017 | 12:59

Security Level: Email, Account Authentication (None)

Using IP Address [Redacted]

Electronic Record and Signature Disclosure:  
 Not Offered via DocuSign

### Intermediary Delivery Events

#### Status

#### Timestamp

### Certified Delivery Events

#### Status

#### Timestamp

### Carbon Copy Events

#### Status

#### Timestamp

Carbon Copy Events	Status	Timestamp
AWS WWPS Business Contracts [REDACTED] Amazon Security Level: Email, Account Authentication (None) <b>Electronic Record and Signature Disclosure:</b> Not Offered via DocuSign	<b>COPIED</b>	Sent: 19-Dec-2017   06:32
Professional Services [REDACTED] Security Level: Email, Account Authentication (None) <b>Electronic Record and Signature Disclosure:</b> Not Offered via DocuSign	<b>COPIED</b>	Sent: 19-Dec-2017   06:32
[REDACTED] Security Level: Email, Account Authentication (None) <b>Electronic Record and Signature Disclosure:</b> Not Offered via DocuSign	<b>COPIED</b>	Sent: 19-Dec-2017   06:32 Viewed: 19-Dec-2017   15:48
AWS WWPS Legal Filing [REDACTED] Security Level: Email, Account Authentication (None) <b>Electronic Record and Signature Disclosure:</b> Not Offered via DocuSign	<b>COPIED</b>	Sent: 19-Dec-2017   15:35

Notary Events	Signature	Timestamp
---------------	-----------	-----------

Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	19-Dec-2017   15:35
Certified Delivered	Security Checked	19-Dec-2017   15:35
Signing Complete	Security Checked	19-Dec-2017   15:35
Completed	Security Checked	19-Dec-2017   15:35

Payment Events	Status	Timestamps
----------------	--------	------------

# Redaction Log

Reason	Page (# of occurrences)	Description
119.071(3)(a) - Security System Information	5 (3)	---