

# Migrating .NET Core Applications to Red Hat OpenShift Container Platform

June 3, 2020

---

CJ Meidlinger  
Senior Consultant  
Stone Door Group

# About Stone Door Group

- **Red Hat APEX Partner** that assists organizations with implementing DevOps best practices using Red Hat solutions
- **OpenShift Container Platform Accelerator<sup>SM</sup>**
  - Install OpenShift Container Platform
  - Profile your existing applications
  - Migrate production application to OpenShift
  - Deliver an app migration roadmap and app migration runbooks
- **Complimentary OpenShift trial environment**

<http://www.stonedoorgroup.com/openshift-container-platform>

# About Carahsoft

Carahsoft Technology Corp. is Red Hat's Master Government GSA Dealer & Distributor and trusted Government IT provider delivering industry-leading open source solutions through our value-added channel of partners and system integrators.

## Questions? Contact us!

Jason DiLuciano

(703) 230-7497

[Jason.DiLuciano@carahsoft.com](mailto:Jason.DiLuciano@carahsoft.com)

[www.carahsoft.com/vendors/red-hat-sled](http://www.carahsoft.com/vendors/red-hat-sled)

# Housekeeping

- Trouble with your connection?
  - You may dial in via phone  
**1.888.788.0099** Webinar ID: **929 3828 0860** Password: **540831**
  - Email us at [webinar@stonedoorgroup.com](mailto:webinar@stonedoorgroup.com) for assistance
- Q&A
  - Throughout the webinar participants may enter Questions into the Q&A panel, located at the bottom of your screen
  - Our instructor will address your questions following their presentation
- Webinar Recording & Follow Up
  - Following today's session, we will distribute a link to the webinar recording as well as a link to today's presentation

# Red Hat Infrastructure - Continuing Professional Education Series

Best practices on how to implement Red Hat's core technologies:  
Red Hat Satellite, Red Hat Identity Manager, OpenShift, and Ansible

Workshop	Title	Event Date/Time	Description
1	Getting Started on RHEL for Windows Administrators	May 27th 12pm - 1pm EST	How to setup a proper base RHEL infrastructure and integrate existing Windows infrastructure
2	Migrating .NET Core Applications to OpenShift	June 3rd 12pm - 1pm EST	Lift and shift your .NET applications and leverage containers, orchestration and CI/CD to optimize application scalability.
3	Replacing Legacy Automation Scripts with Ansible	June 11th 12pm - 1pm EST	Port fragmented automation built on shell commands or open source tools onto a single Ansible framework!

<https://www.stonedoor.io/carahsoft-cpe-webinars/>

# Meet today's presenters



# Red Hat

The world's leading provider of  
enterprise open source solutions.



**CJ Meidlinger**  
**Stone Door Group**

Senior Consultant at Stone Door  
Group where he helps clients  
migrate applications to Red Hat  
OpenShift Container Platform.

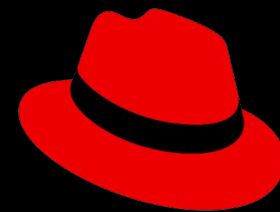


DevOps solutions, integrations,  
and staff augmentation.

# Red Hat Open Demo

Migrating .NET Applications to Red Hat OpenShift

Stone Door Group  
June 3, 2020



**Red Hat**

# About this Demo

---

The purpose of this open demo take out is to demonstrate how Red Hat OpenShift Container Platform is replacing stand-alone servers and VMs for hosting .NET Core applications



# About this Demo

---

The following are the 3 reasons why customers are choosing to make this takeout:

- Containerization
- Clustered platform
- CI/CD

# Demo Assumptions

- The customer is running .NET applications on stand-alone servers or VMs for various business needs.
- The customer is currently running into the following technical challenges with this configuration:
  - Multiple deployment environments
  - Difficult to scale
  - Slow to update with new features

# Demo Goals

---

The purpose of this particular open demo takeout is to demonstrate the following:

- Containerization of a .NET Core application
- Deployment of a .NET Core application into OpenShift
- Leveraging OpenShift services in application management
- Trigger new builds and deployments from a code update

# Red Hat Open Demo

---

.NET Core on OpenShift Container Platform

# Demo Conclusion

The following are the key takeaways from the demo:

- .NET Framework apps need to be ported to .NET Core
- Containerizing .NET Core applications is easy with s2i and OpenShift-provided build images
- OpenShift provides tools and services for reliable application deployment and management
- OpenShift is an excellent platform for implementing CI/CD pipelines

# References

---

<https://www.stonedorgroup.com/openshift-container-platform>

<https://docs.openshift.com>

[https://access.redhat.com/documentation/en-us/net\\_core/](https://access.redhat.com/documentation/en-us/net_core/)

<https://catalog.redhat.com/software/containers/search?q=dotnet&p=1>

<https://docs.microsoft.com/en-us/dotnet/standard/analyzers/portability-analyzer>

# Red Hat Infrastructure - Continuing Professional Education Series

Best practices on how to implement Red Hat's core technologies:  
Red Hat Satellite, Red Hat Identity Manager, OpenShift, and Ansible

Workshop	Title	Event Date/Time	Description
1	Getting Started on RHEL for Windows Administrators	May 27th 12pm - 1pm EST	How to setup a proper base RHEL infrastructure and integrate existing Windows infrastructure
2	Migrating .NET Core Applications to OpenShift	June 3rd 12pm - 1pm EST	Lift and shift your .NET applications and leverage containers, orchestration and CI/CD to optimize application scalability.
3	Replacing Legacy Automation Scripts with Ansible	June 11th 12pm - 1pm EST	Port fragmented automation built on shell commands or open source tools onto a single Ansible framework!

<https://www.stonedoor.io/carahsoft-cpe-webinars/>

# Let's Do This!

- **OpenShift Container Platform Accelerator<sup>SM</sup>**
  - Install OpenShift Container Platform
  - Profile your existing applications
  - Migrate production application to OpenShift
  - Deliver an app migration roadmap and app migration runbooks
- **Complimentary OpenShift trial environment**

Contact Us: [letsdothis@stonedoorgroup.com](mailto:letsdothis@stonedoorgroup.com)