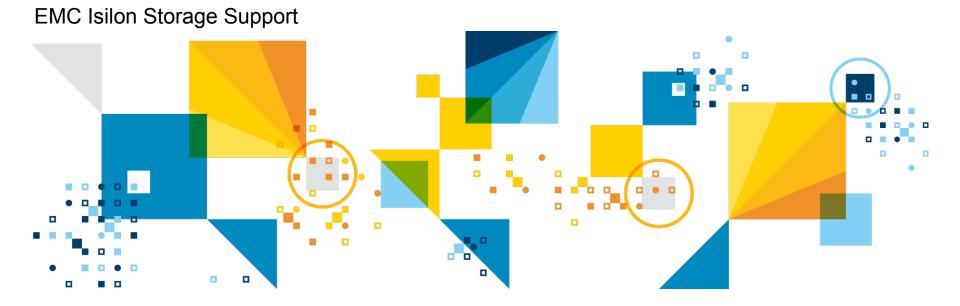


Jenny Lam Software Developer October 2014

Product Implementation Training (PIT)

IBM FileNet Content Platform Engine 5.2.1





Introduction

- Course Overview
 - Introduce Isilon OneFS storage support in Content Platform Engine
 - Describe retention support with Isilon SmartLock
 - List steps to configure Isilon SmartLock device
 - Demonstrate how to configure Fixed Content Storage with Isilon
- Target Audience
 - Those who will be installing, administering and supporting Isilon Fixed Content Storage in Content Platform Engine
 - Those who will be administering Isilon OneFS storage and SmartLock for Content Platform Engine
- Suggested Prerequisites
 - Familiarity with IBM FileNet Content Platform Engine Storage
 - Familiarity with EMC Isilon OneFS and SmartLock
- Version Release Date: October 2014



Course Objectives

After this course you will be able to:

- Describe Isilon storage support in Content Platform Engine
- Configure Isilon device for Content Platform Engine from begin to end
- Configure Isilon Fixed Content Device and Fixed Content Storage
- Describe Isilon configuration guidelines and best practices

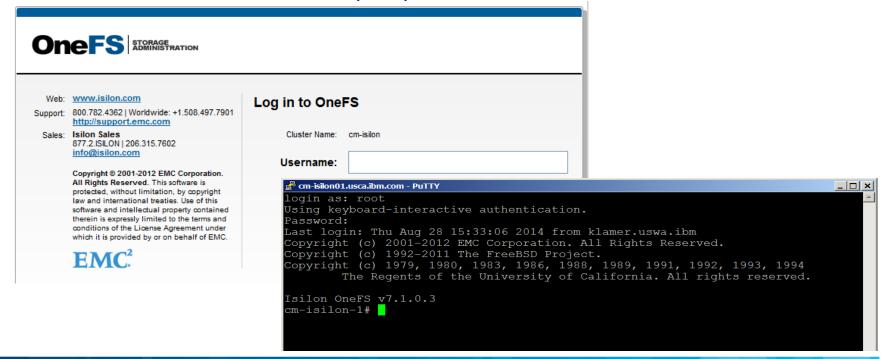


- Product Fundamentals
 - Isilon Overview
 - Isilon Support on Content Platform Engine
 - Configuration Step-by-Step
 - Isilon Fixed Content Device
- Product Demonstration
 - Configure Isilon device for Content Platform Engine
 - Create Isilon Fixed Content Device
 - Create Isilon Fixed Content Storage
- Best Practices
- Course Summary



Product Fundamentals: Isilon Overview

- Operating system: OneFS
- Write Once Read Many (WORM) data protection: SmartLock
- Administration interface:
 - Web user interface
 - Command-line interface (CLI)





Product Fundamentals: Isilon Support on Content Platform Engine

- Support OneFS version: 7.1.0 and 7.1.1
- Require SmartLock directory for data with retention support
 - Support SmartLock Enterprise mode
 - Planned Post-qualification for SmartLock Compliance mode
- Support both FileNet content storage modes: aligned or unaligned
 - Aligned: object retention is synchronized with Content Platform Engine and enforced by Isilon Fixed Content Device
 - Unaligned: object retention is enforced by Content Platform Engine
- Retention settings
 - Not set: not committed to WORM state
 - Permanent: set to a distant future date (9999-12-20T23:59:59Z)
 - Specific date value
- Altering retention date
 - New retention date must be later than existing retention date



Product Fundamentals: Configuration Step-by-Step

On Isilon System ...

- Create an Isilon user account
 - OneFS 7.1.0: requires root user for retention date update and inquiry
- Create a SmartLock directory and grant user permission to this directory
 - Available only through the command-line interface (CLI)
- Create RAN access point using the RESTful PUT method
 - Use root user to create an access point on the namespace
- Set access control for the access point using the RESTful PUT method
 - Use root user to create an access control list (ACL) for other users
- (Optional) Create a resource path after the access point

On Content Platform Engine ...

- Create an Isilon Fixed Content Device
- Create an Isilon Fixed Storage Area

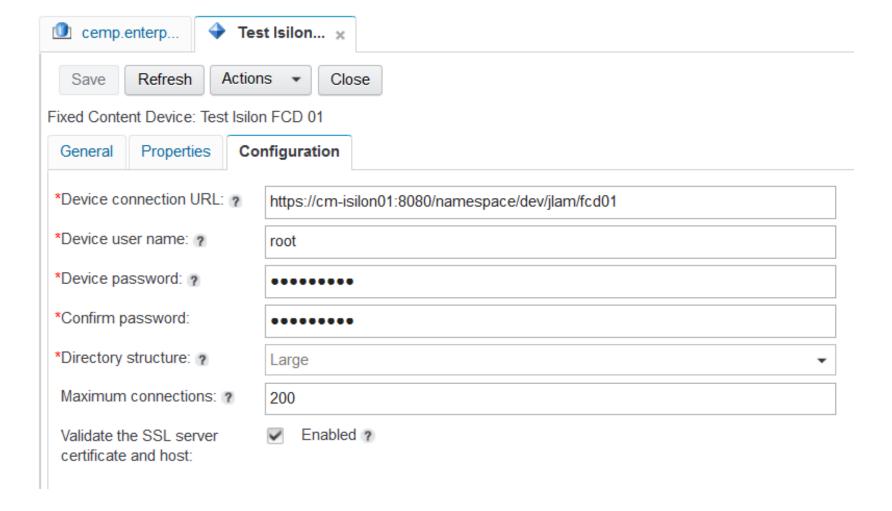


Product Fundamentals: Isilon Fixed Content Device

- Interface: Isilon RESTful Access to the Namespace (RAN) API
- Connection URL: https://<cluster>:<port>/namespace/<access_point>/<resource_path>
 - <cluster>: IP address / hostname of the Isilon cluster
 - <port>: port number (default 8080)
 - <access_point>: name of the access point
 - <resource_path>: file path to the directory you want to access
 e.g. https://cm-isilon:8080/namespace/dev/demo
- Username and password
- Directory structure size
 - Small: 2 levels, 23 nodes, total 529 directories at the 2nd level
 - Large: 3 levels, 23 nodes, total 12,167 directories at the 3rd level
- Support secured communication using Secure Sockets Layer (SSL)



Product Fundamentals: Isilon Fixed Content Device (continue)





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Product Demonstration

- Configure Isilon device for Content Platform Engine
 - User account
 - SmartLock directory
 - RAN access point
- Create an Isilon Fixed Content Device
 - Connection URL https://<cluster>:<port>/namespace/<access_point>/<resource_path>
 - Username / Password
 - Directory Structure
 - SSL validation enable/disable
- Create an Isilon Fixed Content Storage
 - Aligned / Unaligned device retention mode
 - Document retention behavior



Product Demonstration

Demonstration



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Best Practices

- Both unaligned and aligned storage modes require SmartLock directory
- Do not configure SmartLock directory with these retention settings let Content Platform Engine manage data retention:
 - Minimum retention setting
 - Maximum retention setting
 - Default retention setting
- Do not configure SmartLock directory with autocommit time period setting – let Content Platform Engine handle retention commitment
- SmartLock directory with privileged delete setting enabled for root user
 - Caution! Isilon root user may delete data from the SmartLock directory that are still used by Content Platform Engine
- Do not override the retention date
 - Caution! Data with overridden retention may prevent Content Platform Engine from removing data that was previously overwritten with the new WORM setting



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Course Summary

You have completed this course and can:

- Describe Isilon storage support in Content Platform Engine
- Configure Isilon device for Content Platform Engine from begin to end
- Configure Isilon Fixed Content Device and Fixed Content Storage
- Describe Isilon configuration guidelines and best practices



Contacts

- Product Marketing Manager:
 - Robert Finn
- Product Manager:
 - Stephen Hussy
- Subject Matter Experts (SME) / Area of Expertise:
 - Grace Smith (Development Manager)
 - Jenny Lam (Software Developer)
- Support:
 - Eric Fonkalsrud Jr (L3 Manager)



Product Help/Documentation/Resources

- IBM FileNet P8 Platform V5.2.1 Publication Library http://www.ibm.com/support/docview.wss?uid=swg2042122
 - Release Notes, Hardware and Software requirements, and Compatibility Matrices, etc.
- IBM FileNet P8 Platform V5.2.1 Knowledge Center http://www.ibm.com/support/knowledgecenter/SSNW2F_5.2.1
- IBM Knowledge Center: Isilon SmartLock fixed content device
 - Administering > Administering Content Platform Engine > Defining the repository infrastructure > Storing content > Storage area types > Fixed storage areas > Fixed content devices > Isilon SmartLock fixed content device
- IBM Knowledge Center: Obtain and Deploy SSL Certificate
 - Administering > Administering Content Platform Engine > Defining the repository infrastructure > Content Platform Engine server communication > Configuring SSL for server communication > Configuring Content Platform Engine as an SSL client



Product Help/Documentation/Resources (Continue)

- EMC Isilon OneFS 7.1.0
 - CLI Administration Guide https://support.emc.com/docu50219
 - Web Administration Guide https://support.emc.com/docu50220
 - RESTful Access to the Namespace API https://support.emc.com/docu50222
- EMC Isilon OneFS 7.1.1
 - CLI Administration Guide https://support.emc.com/docu54199
 - Web Administration Guide https://support.emc.com/docu54201
 - OneFS API Reference https://support.emc.com/docu54263