# HFM application Migrating using LCM

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http://learnhyperion.wordpress.com

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# Introduction

In every Hyperion Financial Management application we need to define following things to specify and define the Application

- 1. HFM Application Dimensions
- 2. Documents associated with the HFM application
- 3. The Data Forms are created by the developer for the Business Users
- 4. Intercompany Transactions
- 5. Journals
- 6. Member lists
- 7. Rules
- 8. Security

For every application it don't restrict itself only in single server or only in developers machine. We need the backup of application in case the server face any technical crisis or we need to move the application from development environment to testing environment.



### HFM application Migrating using LCM

We use "HFM application Migration" for two major operation
1) Moving Application from one environment to another.
(Development to Testing Environment)
2) Taking Application Backup/Restore .
This process is performed by LCM (Life Cycle Management).

The process of moving an application or artifact from one environment

- to another with the same version.(Development, Test, Production)
- Command Line capabilities
- Exported files can be modified to make changes easier.

### Life Cycle Management

Lifecycle Management (LCM) provides a consistent way for Hyperion products to migrate an application, cube, repository, or individual artifacts across product environments and operating systems. The LCM interface is integrated with Oracle's Hyperion® Shared Services Console. LCM also supports a command-line utility.



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### LCM features:

- Browsing applications and folders
- Searching for artifacts
- Comparing applications and folders
- Migrating an entire application or repository or individual artifacts
- > Application Migration Wizard:
- Application to Application
- Application to Server File System
- Exported Application to Application
- Saving and loading a package file
- Migration Status Report
- Migration Audit Report
- Security—LCM Administrator role
- Command-Line Utility
- > API

### Artifacts

An artifact by definition is an object that has been created for a practical purpose. In this case any pieces of your EPM that contain meta-data or data. When we use the LCM tool we are able to select individual objects or artifacts during the migration. However, one cannot move an individual report object via LCM.

Artifact List	Selected Artifacts	Search Artifacts	Application: CLASHFM1
Name	s	ize (KB) Type	Modified Date
🛨 🔽 Dimensions	3	Folder	
🛨 🔽 Documents	:	Folder	
🛨 🔽 Forms		Folder	
🛨 🔽 InterCompa	iny	Folder	
🛨 🔽 Journals		Folder	
🛨 🔽 Member Lis	its	Folder	
🛨 🔽 Rules		Folder	
🛨 🔽 Security		Folder	

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# How does the LCM utility work?

It's all XML based. That is to say that once we define our migration (i.e.: select which artifacts are to be moved) an XML, file-system based directory structure is created. It is created under the Shared Services directory on the server for which Shared Services resides. After we define the migration and your XML-based file structure is created, one whom has LCM administrator permissions must then manually move the file-structure from one server environment to the other. That can be done either by copying and pasting or via FTP.



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# **Configuration Requirement**

#### **Shared Services Provisioning**

- User ID used must be provisioned appropriately to allow access to the apps being exported or imported
- Can only backup / restore what they have access to
- Provisioning must include LCM Administrator

Provision: rupam			
Available Roles:	List Tree		Selected Roles:
🔳 🧾 APS Servers	<u> </u>		🖃 🔟 Shared Services
🔳 🧾 Business Rules			👬 Run Integrations
🔳 🧾 Essbase Studio Server			👫 LCM Administrator
🕑 🕎 FDM			👫 Dimension Editor
🖃 🕎 Foundation			
🖃 🧾 Shared Services			
🖃 斗 Administrator			
👫 Create Integrations			
📲 Directory Manager		$\rightarrow$	
🔲 👫 LCM Administrator			
န Directory Manager		Б.	
န Project Manager		-	
န Provisioning Manager			
န Project Manager			
👫 Run Integrations			
🖌 Dimension Editor			
🔳 🕌 Application Creator			
🔳 🕌 Calculation Manager Administrator			
🔳 🧾 Reporting and Analysis			

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# **Migration of Shared Service**

- Order of Export does not matter
  - We are just creating text files.
- Order of **Importing** is important
  - Shared Services Security should be 1st.

🚰 http://hypbisp:28080 - Hyperion	Shared Services	Console - Microso	ft Internet	Explorer		
<u>File V</u> iew <u>A</u> dministration <u>H</u> elp						
Ø 🞸 📴						
Application Management	Artifact List	Selected Artifact	s Sea	arch Artifacts	Application:	Shared Services
🛨 📁 User Directories	Name		Size (KB)	Туре	Modified D	ate
- pplication Groups	🖃 🔽 Native Dire	ctory		Folder		
+ E APS Servers	- 🔽 Assign	ed Roles		Folder	February	3, 2011
± ≞∄ Business Rules	- 🖂 AP:	S Servers		Folder		
± ⊑⊴ Default Application Group		BISPAPP1		Assigned Roles	February	2, 2011
+ Essbase Studio Server	✓ HFR			Assigned Roles	February	3, 2011
	– 🔽 Business Rules			Folder		
+ E File System	HBRAPP			Assigned Roles	February	2,2011
- E-2 Foundation	🔽 Det	Default Application G				
CPM Availate	🛨 🔽 Ess	± 🔽 Essbase Studio Serv				
	🛨 🔽 FDI	M.		Folder		
A Shared Services	- 🔽 Fou	Indation		Folder		
E Eg Reporting and Analysis		Shared Services		Assigned Roles	February	3, 2011
	🛨 🔽 Rep	porting and Analy		Folder		
	🔽 Delegat	ed Lists		Delegated Lists		
	🔽 Groups			Groups	February	2,2011
	Roles			Aggregated Role:	s February	2, 2011
	🔽 Users			Users	February	3, 2011
	🛨 🗌 Taskflows			Folder		

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### HFM application Migrating using LCM

When Exporting Reports, Generally use "Select All" button

🚈 http://hypbisp:28080 - Hyperion Shared Services Console - Microsoft Internet Explorer						
Eile View Administration Help						
a> 💉 📑 😰						
Application Management	Artifact List	Selected Artifacts	Search Artifacts	Application: Reporting ar	nd Analysis	
🖭 🃁 User Directories	Name		Size (KB) Type	Modified Date	Modified By	Description
- pplication Groups	🛨 🗌 Admin Optio	ns	Folder			·
+ E APS Servers	± Physical Re	sources	Folder			
	🛨 📃 Product Pre	ferences	Folder			
± ≞⊴ Default Application Group	- Repository	Objects	Folder	February 2, 2011		Hyperion Root Fo
± ≞⊴ Essbase Studio Server	🛨 🗌 Adminis	tration	Folder	February 2, 2011	administrator	
± ⊑⊴ FDM	🛨 🗌 Annotat	ionsInternalFolder	Folder	February 2, 2011	administrator	
E File System	- 🔽 BISP		Folder	February 2, 2011	admin	
	🛨 🔽 BISP	)	Folder	February 2, 2011	admin	
	🛨 🔽 Rep	orts	Folder	February 2, 2011	admin	
- Ezerce Reporting and Analysis	✓ 1		application/hyper	. February 2, 2011	admin	
Reporting and Analysis	2		application/hyper	. February 2, 2011	admin	
	☑ 3		application/hyper	. February 2, 2011	admin	
	✓ 4		application/hyper	. February 2, 2011	admin	
	🔽 bisp	report1	application/hyper	. February 2, 2011	admin	
	🔽 BISF	LOgo	application/hyper	. February 2, 2011	admin	
	🔽 Cha	rt1	application/hyper	. February 2, 2011	admin	
	🗹 Essi	paseReport	application/hyper	. February 2, 2011	admin	The Live demo fo
	🔽 Math	nematical	application/hyper	. February 2, 2011	admin	
	🔽 Rep	ort1	application/hyper	. February 2, 2011	admin	First test report
	🔽 Rep	ort2	application/hyper	. February 2, 2011	admin	
	Sec	ond_batch	application/hyper	. February 2, 2011	admin	
	✓ TCS	report	application/hyper	. February 2, 2011	admin	

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### LifeCycle Management Navigation

Help	Help ➤ Leads to very good online help from Oracle
Select All	<ul><li>Select All or Clear Selections</li><li>➢ Select all or Deselect all Artifacts on the screen</li></ul>
Define Migration	<ul><li>Define Migration</li><li>➢ Select this button to Continue</li></ul>
View Audit Report	<ul><li>View Audit Report</li><li>➢ Auditing must be enabled to use this option</li></ul>

🛨 🔲 Sample Content	Folder	February 2, 2011		Contains sample	
± Shared Workspace Pages	Folder	February 2, 2011	administrator		
± SSR Template	Folder	February 2, 2011		Hyperion SSR Te	
				· · · · · · · ·	
Help					Select All Define Migration Cancel
Browse Artifact List					
					Trusted sites

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### HFM application Migrating using LCM Login to Shared service http://<servername>:28080/interop

C X 🟠 http://bispodi	28080/interop/	
🖻 Most Visited 📋 Getting Started 🔝 Latest Headlines		
Hyperion® Shared Services		
🕑 Hyperio	n Shared Services Console - Mozilla Firefox	
http:/	/bispodi:28080/interop/index.jsp	
<u>Eile H</u> elp		
	User Name:	
	admin	
	Password:	
	Log On	

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### HFM application Migrating using LCM Browse to Application Management > Application Group Select the server type according to the that we select the server type.



WE SELECT THE APPLICATION WHICH WE WANT TO MIGRATE or TAKE BACKUP.

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### HFM application Migrating using LCM

Artifact List	Selected Artifacts	Search Artifacts	Application: CLASHFM1
Name	Siz	te (KB) Type	Modified Date
🛨 📃 Dimensions	S	Folder	
🛨 📃 Documents	3	Folder	
🛨 📃 Forms		Folder	
🛨 📃 InterCompa	апу	Folder	
🛨 📃 Journals		Folder	
🖭 📃 Member Lis	sts	Folder	
± 🗌 Rules		Folder	
🛨 📃 Security		Folder	

All the artifacts are displayed. We select the required artifacts. For complete migration or back up we select all.

# Documents (including Folders)

- Grids, Forms, TaskLists, Custom Documents
- System Reports, Security
- MetaData (Classic or EPMA)
- Rules (Classic or Calc Mgr)
- Journal Templates & Groups
- Does Not Migrate Data or Journal Entries

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# HFM application Migrating using LCM

Next we define the Migration properties by launching DEFINE MIGRATION

Artifact List	Selected Artifact	s Search Artifacts	Application: CLASHFM1				
Name		Size (KB) Type	Modified Date	Modified By	Description		
🛨 🔽 Dimensions		Folder					
🛨 🔽 Documents		Folder					
🛨 🔽 Forms		Folder					
🛨 🔽 InterCompan	У	Folder					
🛨 🔽 Journals		Folder					
🛨 🔽 Member List	5	Folder					
🛨 🔽 Rules		Folder					
🛨 🔽 Security		Folder					
Help				Clear S	Selections Defin	ne Migration	View Audit Report Cancel
Browse A	rtifact List Arti	fact List					
							Trusted sites

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### HFM application Migrating using LCM

#### Migration Wizard

- Source
  - Used to select which artifact type is active
  - If only one is open, will skip this screen

#### Source Options

Different depending on the type of export

#### Destination

Pick to export to File or within the environment

#### Destination Options

This screen may vary, but is usually repetitive

#### Migration Summary

Summary of your choices

Mig	gration Wizard
	O Source
	Source Options
	O Destination
	O Destination Options
	Migration Summary



### HFM application Migrating using LCM

Here we define the destination option.

Either we select another application or we can take its xml backup to file system.

Here we first choose to take the xml backup to File system



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### HFM application Migrating using LCM

Displayed source application and target application group.

N	figration Wizard		×
Γ		C Destination Options	
	Source     Source Options	Source Application Group : APS Servers	
	Destination	Destination Application : CLASHIMI Destination Application : File System Group	
	Destination Options	Destination Application : ClassHFM1	
	Migration Summary		

# HFM application Migrating using LCM

#### Migration Summary.

М	igration Wizard					x
	O Source	Migration S	Summary			
		Task	Location	Application Group	App/File System	
	Source Options		Source APS Servers		CLASHFM1	
	Oestination	1	Destination	File System	ClassHFM1	
	O Destination Options					
	Migration Summary					

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### HFM application Migrating using LCM

When we decide that all the steps for migration has been successfully Performed , we **Execute migration** 

	Mig	ration Wizard						
			C Migration Summary					
Artifact List Selected Arti	tifac	Source						
Name				Task	Location	Application Gro	up	App/File System
± 🔽 Dimensions		Source Options			Source	APS Servers		CLASHFM1
🛨 🔽 Documents				1				
🛨 🔽 Forms		Oestination			Destination	File System		ClassHFM1
🛨 🔽 InterCompany								
🛨 🔽 Journals		O Destination Options						
🛨 🔽 Member Lists								
🛨 🔽 Rules		🕑 Migration Summary						
🛨 🔽 Security								
Нуре	erion Sh	ared Services Console - Informa	tion					
	i	Migration has been starte	ed. Pleas <u>O</u> K	e launch	the report to s	ee the status ion Status Report		

#### We launch the Migration Status Report for status of Migration

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### HFM application Migrating using LCM

I	Migration Status R	eport			
				< < 1 of 1	• > > Per Page 50 •
I	User	Start Time	Completed Time	Duration	Status
l	admin	January 30, 2011 22:16:44			In Progress
I	admin	January 30, 2011 22:13:46	January 30, 2011 22:14:12	00:00:26	Completed
I					

#### Migration Status Report for status of Migration



Γ	ligration Status Report									
ľ										
L				🔀 🖌 🛛 1 of 1	💌 🗦 刘 Per Page 🔽					
L	liser	Start Time	Completed Time	Duration	Status					
Ш	0301	Start Hine	Completed nine	Daration	Statas					
Ш	admin	January 30, 2011 22:16:44	January 30, 2011 22:17:05	00:00:21	Completed					
L	admin	January 30, 2011 22:13:46	January 30, 2011 22:14:12	00:00:26	Completed					
	aunin	January 30, 2011 22:13:46	January 30, 2011 22:14:12	00:00:20	Completed					

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### HFM application Migrating using LCM

Path where the application stored in file system. When we browse through the folder structure we find that each and every object is stored in xml format i.e. the DIMENSION members , The Custom Documents.

In Hyperion product suit every components can be backed up in xml format.



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### HFM application Migrating using LCM

#### We browse to see the folder structure and components in xml format.

🔄 C:\Hyperion_Home\common\import_export\admin@Native Directory\ClassHFM1\resource									
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp	File Edit View Favorites Tools Help								
🔇 Back 👻 🕥 🖌 🏂 🔎 Search 🌔 Folders 🛛 🕸 🔅	3 Back 🔹 🕥 🖌 🏂 Search 🌔 Folders 🕼 😥 🗙 🍤 🛄 -								
Address C:\Hyperion_Home\common\import_export\admi	Address 🛅 C:\Hyperion_Home\common\import_export\admin@Native Directory\ClassHFM1\resource 💽 🎅 Go								
Folders ×	Name 🔺	Size	Туре	Date Modified					
🕀 🦳 Desktop 2Aug	Dimensions		File Folder	1/30/2011 10:14					
⊕ Downloads     ☐	Documents		File Folder	1/30/2011 10:14					
🗉 🫅 Elementals - The Magic Key Trial Apple	Forms		File Folder	1/30/2011 10:14					
Exports	interCompany		File Folder	1/30/2011 10:14					
	i Dournals		File Folder	1/30/2011 10:14					
E C Hyperion Home	C Member Lists		File Folder	1/30/2011 10:14					
	Rules		File Folder	1/30/2011 10:14					
🗄 🛅 ADM	Security		File Folder	1/30/2011 10:14					

#### List of all dimension HFM application has available in xml format.

Address 🛅 C:\Hyperion_Home\common\import_export\admin@Native Directory\ClassHFM1\resource\Dimensions 🗾 🕞 Go								
Folders		Name 🔺	Size	Туре	Date Modified			
🕀 🗀 Downloads		Account.xml	81 KB	XML Document	1/30/2011 9:37 (			
🕀 🫅 Elementals - The Magic Key Trial Apple		Application Settings.xml	4 KB	XML Document	1/30/2011 9:37			
Exports		Consolidation Methods.xml	3 KB	XML Document	1/30/2011 9:37			
E C FlashDriveBackUp		Currencies.xml	2 KB	XML Document	1/30/2011 9:37			
🗆 🧰 Hyperion Home		Custom1.xml	12 KB	XML Document	1/30/2011 9:37			
		Custom2.xml	6 KB	XML Document	1/30/2011 9:37			
🗉 🧰 ADM		Custom3.xml	2 KB	XML Document	1/30/2011 9:37			
E appServers		Custom4.xml	6 KB	XML Document	1/30/2011 9:37			
E CAXIS		Dimensions.xml	1 KB	XML Document	1/30/2011 10:14			
🗉 🧰 calc-client-sdk		🔮 Entity.×ml	24 KB	XML Document	1/30/2011 9:37			
E 🔁 CLS		ICP.×ml	2 KB	XML Document	1/30/2011 9:37			
🗉 🧰 config		Period.xml	1 KB	XML Document	1/30/2011 9:341			
🗉 🦳 CSS		Scenario.xml	7 KB	XML Document	1/30/2011 9:37			
E G docs		Value.×ml	1 KB	XML Document	1/30/2011 9:34 (			
E C epostage		View.xml	1 KB	XML Document	1/30/2011 9:34 (			
🖃 🧫 spinorsyn E 🛅 EssbaseJavaAPI		🔮 Year.xml	1 KB	XML Document	1/30/2011 9:34			

### HFM application Migrating using LCM

#### Document available in xml format

😋 Back ▼ 🜍 ▼ 💋 🔑 Search 😥 Folders   😰 🗶 🥆 🌱   🛄▼								
Address 🗁 C:\Hyperion_Home\common\import_export\admin@Native Directory\ClassHFM1\resource\Documents\Custom Documents 💿 🕞 Go								
Folders ×	Name 🔺	Size Type	Date Modified					
🗉 🧰 Exports	Custom Documents.xml	1 KB XML [	Document 1/30/2011 10:14					
FlashDriveBackUp	🛛 🔮 DemoJournals.jlf.×ml	4 KB XML 0	Document 1/30/2011 9:56 l					
E Differentiation_Home	Instructions for loading the Si	44 KB XML [	Document 1/30/2011 9:56					

The best way to migrate or taking backup of application is these xml files. After We get all these files in xml we can use it either for backup purpose to another Server or we can move it to another server that runs Hyperion Suits.

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### HFM application Migrating using LCM Restoring the HFM Application.

Now we will work on restoring the HFM application into another server This time we will move it from FILE SYSTEM to HFM APPLICATION

This time we are going to do the other way around. The application backup we have taken last time, we are going to restore it in a empty application. Before restoring it you can modify the respected xml files.

Address 🛅 C:\Hyperion_Home\common\import_export\admin@Native Directory\ClassHFM1\resource\Forms\Web Forms 🔽 🎅 Go									
Folders	×	Name 🔺	Size	Туре	Date Modified				
🗉 🚞 CLS		🔮 Calc2Col.xml	2 KB	XML Document	1/30/2011 9:42 (				
🗉 🧰 config		🔮 DemoList1.xml	1 KB	XML Document	1/30/2011 9:43				
🗄 🧰 CSS		🔮 Line Item Detail.xml	2 KB	XML Document	1/30/2011 9:43 (				
🗉 🧰 docs		🔮 Scalc.×ml	2 KB	XML Document	1/30/2011 9:43				
🗉 🫅 epmstage		😫 SparseForm.xml	2 KB	XML Document	1/30/2011 9:43				
🗄 🧰 EssbaseJavaAPI		WDEF 40.xml	2 KB	XML Document	1/30/2011 9:43				
EssbaseRTC		Web Forms.xml	1 KB	XML Document	1/30/2011 10:14				
E Chita httpServers		LCMWebForm.xml	2 KB	XML Document	1/30/2011 9:421				

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### HFM application Migrating using LCM Restoring the HFM Application.

Create new classic blank HFM application in Workspace. The workspace URL <u>http://<servername >:19000/workspace</u>

![](_page_25_Picture_4.jpeg)

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### HFM application Migrating using LCM

#### **Restoring the HFM Application.**

🔇 Back 🝷 🕤 👻 😰 🔥 🔎 S	earch 👷 Favorites  😥 🕶 😼 🔛 👻 🤹
Address 🙋 http://amit-pc:19000/worksp	ace/index.jsp
Eile View Favorites Iool	s Help
Browser View	Enter Application Properties PROVIDE THE FOLLOWING INFORMATIONS Server amit-pc Application Name AppLCM Application Description Restore Application from LCM Application Profile C:\Hyperion_Home\prc_Browse User Management Project MPS Servers Financial Management Web Server URL for Security Administration: http://amit-pc:19000/hfm

**Empty Application created successfully** 

![](_page_26_Picture_6.jpeg)

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### HFM application Migrating using LCM Restoring the HFM Application.

Next we return back to Shared Service.

This time we navigate to File System and open file system application backup we have taken previously.

🚈 http://amit-pc:28080 - Hyperion S	Shared Services (	Console - Microso	ft Int	ernet Explorer	
<u>File View Administration Help</u>					
e> 🛠 📑 😫					
Application Management	Artifact List Name	Selected Artifac	ts Siz	Search Artifacts e (KB) Type	File Sy: Modi
_     Native Directory Users	Dimensions     Documents			Folder Folder	
Li P Application Groups	+ Forms     Forms     InterCompar     Journals	ιy		Folder Folder Folder	
+ Business Rules	Member List     Rules	8		Folder Folder	
	± Security			Folder	
_ ⊏_ rile System ☐ ClasHFM1 ☐ ClassHFM1					
+ 📆 Foundation + 📆 Reporting and Analysis + 📆 Scorecard					

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### HFM application Migrating using LCM Restoring the HFM Application.

Define Migration [Source is file system]. This time we will move the backed up file To the blank application we just created.

![](_page_28_Picture_4.jpeg)

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### HFM application Migrating using LCM Restoring the HFM Application.

#### Define the target application. Our target application is newly created blank application.

🚈 http://amit-pc:28080 - Hyperion	🚰 http://amit-pc:28080 - Hyperion Shared Services Console - Microsoft Internet Explorer								
<u>F</u> ile <u>V</u> iew <u>A</u> dministration <u>H</u> elp			W						
¢ 💞 🕒 😰									
Application Management      Subservers      Application Groups      Users      Groups      Groups      Application Groups      Subservers      Business Rules      Subses Studio Server      Esbase Studio Server      Esbase: AMIT-PC:1      Sether Application      ClasHFM1      C	Artifact List     Selected Artifacts       Name     I       +     ✓ Dimensions       +     ✓ Documents       +     ✓ Forms       +     ✓ InterCompany       +     ✓ Journals       +     ✓ Member Lists       +     ✓ Rules       +     ✓ Security	Migration Wizard  Source Source Options  Destination Destination Options  Migration Summary	Destination         Choose Destination for:File System\ClassHFM1         Image: Applications         Image: Application Group:Smartview!80!HFMOfficeProvider.         Image: Application Group:Smartview!80!HFMOfficeProvider.         Image: Application Group:Smartview!80!HFMOfficeProvider.						
± 편ៀFoundation ± 편ៀReporting and Analysis ± 편ៀScorecard	•		instance						

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### HFM application Migrating using LCM Restoring the HFM Application.

Specify merging dimension/phase submission or replacing depending upon requirement.

![](_page_30_Picture_4.jpeg)

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### HFM application Migrating using LCM Restoring the HFM Application.

#### **Execute Migration**

🚈 http://amit-pc:28080 - Hyperion	Shared Services Console - Microsoft	Internet Explorer					
<u>File View Administration Help</u>							Welcome admin   Log Off
e> 💉 🕒 😰							
Application Management	Artifact List Selected Artifacts	Migration Wizard					2
<ul> <li>         —          —          Word Directories         <ul> <li>             —              —</li></ul></li></ul>	Name   Dimensions	O Source	/ Mig	ration (	Summary —		
👫 Groups	+ V Forms			Task	Location	Application Group	App/File System
åš Roles	± ✓ InterCompany	Source Options		-	Source	File System	ClassHFM1
	± ✓ Journals	O Destination		1	Destination	APS Servers	LCMAPP4
± 📆 Business Rules ± 📆 Default Application Group		Oestination Options					
Essbase Studio Server	Ну	Minimation Summary  perion Shared Services Console - Information					
		Migration has been	n started.	Please la	unch the repo	rt to see the status	
± Scorecard				<u>x</u>	Launch	Migration Status Report	

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### HFM application Migrating using LCM Restoring the HFM Application.

#### After successful migration. We can check it from the status bar.

🖻 http://amit-pc:28080 - Hyperion Shared Services Console - Microsoft Internet Explorer								
<u>File Vi</u> ew <u>A</u> dministration <u>H</u> elp				Welcome	admin   Log Off <b>ORAC</b>			
¢ 🞸 🍺 💈								
Application Management - Directories - Directory Users	Migration Status I	Report		< < <b>1</b> of 1	• > > Per Page 50 •			
Groups	User	Start Time	Completed Time	Duration	Status			
-I Application Groups	admin	January 30, 2011 23:02:14	January 30, 2011 23:02:57	00:00:43	Completed			
± EAPS Servers	admin	January 30, 2011 22:16:44	January 30, 2011 22:17:05	00:00:21	Completed			
± Business Rules	admin	January 30, 2011 22:13:46	January 30, 2011 22:14:12	00:00:26	Completed			

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### HFM application Migrating using LCM Restoring the HFM Application.

Check whether the application objects [Dimension, Data from, data grid got moved into new application]

![](_page_33_Picture_4.jpeg)

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### HFM application Migrating using LCM

Finally the new application is mirror copy of the ClasHFM1 application. This way we can have application back up as well as we can move to another server and migration too. The performance Management System Workspace, Fusion Edition - Microsoft Inter...

Oracle Enterprise Performance M	anagement 9	iystem Workspace,	Fusion Edition - Microsoft Inter	
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	<u>H</u> elp			-
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Address Antp://amit-pc:19000/works	pace/index.jsp		🔻 🄁 Go 🛛 Li	inks »
	ls <u>A</u> dministra	tion <u>H</u> elp	Welcome admin   Log Off ORA	CLE
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Browser View				
🖭 🧰 Tasklists	All Task	lists Data Forms	Data Grids Reporting Links	Rel
Documents     Tasks	New Fold	er New Edit Add t	to Favorites Delete Load Extract	Sho
E Caso	110111010			0110
	Docum	ents		
	🔄 🖂 Ro	ot		
		Document	Description	
		Calc2Col	Contains 2 calculated columns	
		DemoList1	Shows use of list in row definition	
•		Line Item Detail	Actual vs Budget	
		) Scalc	Demonstrates new Scalc keyword	
		SparseForm	Demonstrates Sparse Data Entry	
		WDEF 40	New Formatting Options	

![](_page_35_Picture_0.jpeg)

### HFM application Migrating using LCM

We can separately migrate some web form in xml format and then restore back to Previous application. The web forms will be merged to previous application.

🚈 http://hypbisp:28080 - Hyperion 🛛	Shared Services (	Console - Microsoft Int	ernet Explo	rer							
File View Administration Help											
🔅 🞸 📴											
Application Management	Artifact List	Selected Artifacts	Search Ar	tifacts	File System:	Form&Grid					
± puser Directories	Name	Sizi	е (КВ)   Туре		Modified I	Date	Moc	fied By	Des	scription	
- pplication Groups	- Forms		Folde	r	February	2,2011					
+ EAPS Servers	🛨 🔽 Web For	rms	Folde	r	February	2,2011					
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🛨 📑 Essbase Studio Server	l l l l l l l l l l l l l l l l l l l	ration wizard									
± EDM		-	- Mi	igration S	Summary —						
–∣ 🖽 File System		Source									
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E HFR		Source Options			Source	File System			Form&Grid		
🛨 📆 Foundation				1							
🖭 🔣 Reporting and Analysis		Oestination			Destination	APS Servers			HFR		
		O Destination Option	s								

![](_page_36_Picture_0.jpeg)

### HFM application Migrating using LCM

#### Login to workspace and check the Application's all Documents section

All T	askli	sts Data Forms Data	Grids Reporting Links Related Content Custom Documents						
New F	w Folder Add to Favorites Delete Extract Show Private Docs								
Doc	umei	nts							
-	Roo	t							
		Document	Description	т					
		BISP Grid1		2					
		BISPForm	This is for Dividend calculation.	2					
	⊿	Form1	Test Form	2					
	#	Grid2		2					
	#	GridDemo		2					
		LiveDemo	For Form Storing	2					
	2	Preview159209486	Test Form	2					
	2	Preview298909220	This is for Dividend calculation.	2					
	2	Preview298909221	This is for Dividend calculation.	2					
	#	StanderdGrid		2					

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# **Migration Definition**

Artifact Lis	st Selected Artifacts	Search Artifacts Application: BISPAPP1	
Name	Migration Wizard		×
+ ✓ Dimens + ✓ Docum + ✓ Forms	Source	/ Migration Summary	
	Source Options	Task         Location         Application Group         Application           Source         APS Servers         BISPAPP1	App/File System
± ✓ Membe ± ✓ Rules	O Destination	Destination File System BispApp1	
🛨 🔽 Securit	O Destination Options	File Download	Migration Definition
	🕑 Migration Summary	Do you want to open or save this file?	
		Name: MigrationDefinition.xml Type: XML Document From: hypbisp <u>Open</u> <u>Save</u> <u>Cance</u>	<ul> <li>Click Save Migration Definition</li> </ul>
		While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. <u>What's the risk?</u>	<ul> <li>Choose Save</li> <li>Select a Location</li> <li>Click Save</li> </ul>
	Help	Execute Migration De	finition < Back Cancel

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# **Migration Definition**

- When Download is Complete
  - Click Close
- Open the *MigrationDefinition .xml* 
  - Goto the Shared Services Line
  - Find User="" Password=""

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DataExplorer Control Simple Den	10				
File <u>n</u> ame: Save as <u>t</u> ype:	MigrationDefinition.xml			- -	<u>S</u> ave Cancel

#### MigrationDefinition.xml - Notepad

<u>File E</u>dit F<u>o</u>rmat <u>V</u>iew <u>H</u>elp

<?xml version="1.0" encoding="UTF-8"?>

<Package name="web-migration" description="Migrating Product to File System">

<LOCALE>en\_US</LOCALE>

<Connections>

<ConnectionInfo name="MyHSS-Connection1" type="HSS" description="Hyperion Shared Service connection" user="" password=""/>
<ConnectionInfo name="FileSystem-Connection1" type="FileSystem" description="File system connection" HSSConnection="MyHSS-Con
<ConnectionInfo name="AppConnection2" type="Application" product="HFM" project="APS Servers" application="BISPAPP1" HSSConnections>

![](_page_39_Picture_0.jpeg)

# **Migration Definition**

- Enter the LCMAdmin UserID and password
  - The password will be encrypted after the first time it is used
- The job is run using "Utility.bat" under the LCM directory
  - C:\Hyperion\common\utilities\LCM\9.5.0.0\bin\Utility.bat

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Address 🛅 C:\Hyperion\common\utilities\LCM\9.5.0.0\bin									
Name 🔺	Size	Туре	Date Modified	Attributes					
👅 hsslcmutility.bat	3 KB	Windows Batch File	2/2/2011 2:21 PM	A					
👅 invokeCLU.bat	2 KB	Windows Batch File	2/2/2011 2:21 PM	A					
🐻 Utility.bat	6 KB	Windows Batch File	2/2/2011 2:21 PM	A					

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## **Migration Definition**

🗁 C:\Hyperion\common\utilities\LCM\9.5.0.0\bin										
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utilities\LCM\9.5.0.0\	bin									
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2 KB	Windows Batch File	2/2/2011 2:21 PM	A							
6 KB	Windows Batch File	2/2/2011 2:21 PM	А							
	es\LCM\9.5.0.0\bi	es\LCM\9.5.0.0\bin [ools Help ch Polders Polders > > > > > Polders utilities\LCM\9.5.0.0\bin Size Type 3 KB Windows Batch File 2 KB Windows Batch File 6 KB Windows Batch File	es\LCM\9.5.0.0\bin [ools Help ch ▷ Folders ▷ ▷ ➤ ▷ □							

Argument 0 - C:\Hyperion\HFMw\MigrationDefinition.xml Argument 1 - -b Argument 2 - C:\Documents and Settings\Administrator Argument 3 - -estimate Only the estimate for migration will be reported. BEGIN : TaskHandler\_getExecutor Executor not yet created or old executor destroyed. Creating new thread pool ... END : TaskHandler.getExecutor Attempting to load Log Config File:../conf/log.xml 2011 02 03 12:57:53,343 INFO Executing package Executing package file C:\Ilyperion\IIFMw\Migrat ionDefinition.xml 2011-02-03 12:59:53.593 INFO 2011-02-03 12:59:53,593 INFO Reading HSS URL from command line
 HSS URL could not be read from command line. Rea ding from registry. 2011-02-03 12:59:54,953 INFO - Audit Client has been created for the server htt p://hypbisp:20000/interop/Audit 2011-02-03 12:59:55.265 INFO - Client Enable Status false 2011-02-03 12:59:55.375 INFO - Client Enable Status false 2011-02-03 13:00:08,578 ERROR - Message after RemoteMigration execution - Comple ted with failures.. Shared Services log file is in - C:\Hyperion\common\utilitie \$\LCM\9.5.0.0\logs\LCM\_2011\_02\_03\_12\_59\_53\_0.log. 2011 02 03 13:00:00,573 INFO ESTIMATE REPORT IS COPIED INTO FILE C:\llyperio n\common\utilities\LCM\9.5.0.0\reports\estimate\_02\_03\_2011\_01\_00\_08\_578\_PM.txt

Execute the LCM command-line utility by entering the following text at the command prompt: Utility.bat c:/lcm/lcmdefinition. xml -estimate Where c:/lcm/lcmdefinition.x ml is the location of the migration definition file.

C:\Documents and Settings\Administrator>

![](_page_41_Picture_0.jpeg)

# **Migration Definition**

#### The exports go to the same place

On the Shared Services / Foundation Server

- E:\Hyperion\Common\import\_export directory
- Under the folder used in the export.

C:\Hyperion\common\import_export									
<u>File Edit View Favorites Tools Help</u>									
😮 Back 🔹 🌍 👻 🏂 Search 🌔 Folders 🛛 🎼 🎯 🗙 🎾 🛄 🕶									
Address C:\Hyperion\common\import_export									
Name 🔺	Size	Туре		Date Modified	i Att	ributes			
🚞 admin@Native Directory		File Folder		2/3/2011 12:	24 PM				
🚞 msr		File Folder		2/2/2011 4:2	9 PM				
💼 rupam@Native Directory		File Folder		2/3/2011 12:34 PM					
🗁 C:\Hyperion\com	mon\import_exp	port\rupam@	Native Di	rectory					
<u>File E</u> dit <u>V</u> iew F	- <u>a</u> vorites <u>T</u> ools	<u>H</u> elp							
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Address 🚞 C:\Hyper	ion\common\import_	_export\rupam	@Native Dir	rectory					
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BispApp1		File Folde		r 2/3/2011 1		11 12:34 PM			

![](_page_42_Picture_0.jpeg)

# **Migration Definition**

Now we login to shared service with newly created user "rupam" that has LCM administration utility.

Browse to File System , refresh it we can found the BispApp1 has come here through

Migration definition using utlity.bat

🏄 http://hypbisp:28080 - Hyperion	Shared Services (	Console - Microsof	t Internet Explorer					
<u>File View A</u> dministration <u>H</u> elp							Welcome rupam	Log Off
d2 💕 🔮 😰								
Application Management	Artifact List	Selected Artifacts	s Search Artifacts	Application: Shared Servio	ces			
🛨 📁 User Directories	Name		Size (KB) Type	Modified Date	Modified By	Description		
E Providencia - E Providencia - E E E E E E E E E E E E E E E E E E					,	i		
🛨 🔜 APS Servers								
🛨 🗒 Business Rules								
🛨 🗒 Default Application Group								
🛨 🗒 Essbase Studio Server								
± FDM								
- E∄File System								
🖹 BispApp1								
🧊 Deployment Metadata								
EPM Architect								
G Shared Services								
🛨 🧮 Reporting and Analysis								

# HFM application Migrating using LCM **Conclusion**

If you've been on several EPM projects you will know that migrating from development into QA or PROD for the very first time with LCM is no problem at all. This is where the tool, despite its limitations with versioning and its not knowing artifact dependencies, actually makes migration a snap.

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# THANK YOU

# To learn more about hyperion please visit <a href="http://learnhyperion.wordpress.com">http://learnhyperion.wordpress.com</a>