HPSA Extension Pack

LockManager - User Reference

Release v.5.1



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## Support

Support for the HP Service Activator Extended Pack product is available on the following mailing list: <a href="https://www.hpsa-support@hp.com">https://www.hpsa-support@hp.com</a>

### In This Guide

This guide is meant as a user reference guide for the Lock Manager administration GUI. It contains all the information about this tool, its features and how to use them.

#### Audience

The audience for this guide is the Solutions Integrator (SI). The SI has a combination of some or all of the following capabilities:

Understands and has a solid working knowledge of:

- UNIX® commands

- Windows® system administration

Understands networking concepts and language

ls able to program in Java™ and XML

Understands security issues

Understands the customer's problem domain

### Conventions

Font	What the Font Represents	Example
Italic	Book or manual titles, and man page names	Refer to the HP Service Activator — Workflows and the Workflow Manager and the Javadocs man page for more information.
	Provides emphasis	You <i>must</i> follow these steps.
	Specifies a variable that you must supply when entering a command	Run the command: InventoryBuilder <i><sourcefiles></sourcefiles></i>
	Parameters to a method	The assigned_criteria parameter returns an ACSE response.
Bold	New terms	The distinguishing attribute of this class
Computer	Text and items on the computer screen	The system replies: Press Enter
	Command names	Use the InventoryBuilder command
	Method names	The get_all_replies() method does the
		following
	File and directory	Edit the file
	names	<pre>\$ACTIVATOR_ETC/config/mwfm.xml</pre>
	Process names	Check to see if mwfm is running.
	Window/dialog box names	In the Test and Track dialog
	XML tag references	Use the <dbtable> tag to</dbtable>
Computer Bold	Text that you must type	At the prompt, type: 1s -1
Кеусар	Keyboard keys	Press Return.
[Button]	Buttons on the user	Click [Delete].
	Interface	Click the [Apply] button.
Menu Items	A menu name followed by a colon (:) means that you select the menu, then the item. When the item is followed by an arrow (->), a cascading menu follows	Select Locate:Objects->by Comment.

The following typographical conventions are used in this guide.

## Install Location Descriptors

Descriptor	What the Descriptor Represents
\$ACTIVATOR_OPT	The install base location of Service Activator.
	The UNIX location is /opt/OV/ServiceActivator
	The Windows location is
	<pre><drive>:\HP\OpenView\ServiceActivator\</drive></pre>
\$ACTIVATOR_ETC	The install location of specific Service Activator configuration files.
	The UNIX location is /etc/opt/OV/ServiceActivator
	The Windows location is
	<pre><drive>:\HP\OpenView\ServiceActivator\etc\</drive></pre>
\$ACTIVATOR_VAR	The install location of specific Service Activator logging files.
	The UNIX location is /var/opt/OV/ServiceActivator
	The Windows location is
	<drive>:\HP\OpenView\ServiceActivator\var\</drive>
\$ACTIVATOR_BIN	The install location of specific Service Activator binary files.
	The UNIX location is /opt/OV/ServiceActivator/bin
	The Windows location is
	<pre><drive>:\HP\OpenView\ServiceActivator\bin\</drive></pre>
\$ACTIVATOR_THIRD_PARTY	The location for new Java components such as workflow nodes and modules. Third-party libraries can also be placed in this directory.
	The UNIX location is /opt/OV/ServiceActivator/3rd-party
	The Windows location is
	<pre><drive>:\HP\OpenView\ServiceActivator\3rd-party\</drive></pre>
	Customized inventory files are stored in the following locations:
	UNIX: \$ACTIVATOR_THIRD_PARTY/inventory
	Windows: \$ACTIVATOR_THIRD_PARTY\inventory
\$JBOSS_HOME	HOME The install location for JBoss.
	The UNIX location is /opt/HP/jboss
	The Windows location is
	<drive>:\HP\jboss</drive>
\$JBOSS_DEPLOY	The install location of the Service Activator J2EE components.
	The UNIX location is
	/opt/HP/jboss/server/default/deploy

The following names are used throughout this guide to define install locations.

	The Windows location is
	<drive>:\HP\jboss\server\default\deploy</drive>
\$ACTIVATOR_DB_USER	The database user name you define.
	Suggestion: ovactivator
\$ACTIVATOR_SSH_USER	The Secure Shell user name you define.
	Suggestion: ovactusr
\$SOSA_HOME	The install base location of SOSA.
	The default UNIX location is /opt/OV/Sosa
	The default Windows location is
	<drive>:\HP\OpenView\Sosa\</drive>
\$SOSA_BIN	The install location of specific SOSA binary files.
	The default UNIX location is /opt/OV/Sosa/bin
	The default Windows location is
	<drive>:\HP\OpenView\Sosa\bin\</drive>
\$SOSA_ETC	The install location of specific SOSA configuration files.
	The default UNIX location is /opt/OV/Sosa/config
	The default Windows location is
	<drive>:\HP\OpenView\Sosa\config\</drive>
\$ECP_HOME	The install base location of Equipment Connections Pool.
	The default UNIX location is /opt/OV/ECP
	The default Windows location is
	<drive>:\HP\OpenView\ECP\</drive>
\$ECP_BIN	The install location of specific Equipment Connections Pool binary files.
	The default UNIX location is /opt/OV/ECP/bin
	The default Windows location is
	<drive>:\HP\OpenView\ECP\bin\</drive>
\$ECP_ETC	The install location of specific Equipment Connections Pool configuration files.
	The default UNIX location is /opt/OV/ECP/conf
	The default Windows location is
	<drive>:\HP\OpenView\ECP\conf\</drive>

# 1 Introduction

### 1.1 Purpose

This guide is meant as a user reference guide for the Lock Manager's administration GUI. It contains all the information about this tool, its features and how to use them.

## 1.2 Document Scope

This document is focused on the main features oriented for final users.

## 1.3 Definitions

#### 1.3.1 Acronims

MWFM: Micro Work Flow Manager HPSA: HP Service Activator EP: Extension Pack

# 2 General description

## 2.1 What is the Lock Manager Web?

The Lock Manager Administrator tool (from now on Lock-Manager Web) allows monitoring and administration of all the active locks in the HPSA.

To obtain information about the lock manager, please refer to the document 'LockManager - User Manual'.

## 2.2 Goals of the Lock Manager Web

The Lock-Manager web is in charge of the following tasks:

Monitoring dynamically all the locks and lockers that are active in the HPSA and also enabling its administration.

Features a system that allows a simple way to manage the adding/deleting of locks.

# 3 Usage of the Lock Manager Web

#### 3.1 Menus

To access the Lock-Manager Web we must first log on as administrator with the application container.

As we have mentioned before, the application features functionality relative to the locks and lockers, to access this functionality we must first make a list of these locks and lockers.

Therefore the available operations in this application are all located in the 'Search' ('Buscar') - "Lock Manager" menu option, and are divided in two menus: Locks and Lockers, to make a search of the active locks and lockers respectively.



Fig. 1 Lock Manager Menu

## 4 Lock Management

The application's features are aiding the administration of the active locks of the HPSA, let the user unlock one or several locks at the same time, to activate or deactivate the lock's automatic refresh or to make advanced searches on locks filtering by several fields.

In order to make a list of the active locks we must select the menu option "Search" (Buscar) ' "Lock Manager" ' "Locks" (Bloqueos).



Fig. 2 Lock menu

Next the following table appears:

» Gestión de Backups	» Archivo	» Administrador	» Inventario	» Diagnostico	» Auditoria	» Instalaciones	» Buscar	» Ayuda			
» Lockld		» Locker Nam	ie	» Status		» Crea	ion Time		» Last Status	s Time	
						Desde			Desde:		
» Key		» Ownerld				Hasta:			Hasta:		Buscar
» Lock Manager											
/ le	ockld	0		key		lockerNam	e o	wnerld	status	creationTime	lastStatusTim
ed278505ac1002	77010655ddefe6	dec8	[07027439233	com.hp.spain.inver	ntory.Order]	MWFM-2	1197	7889642862	ESTABLISHED	18-12-2007 13:08:18,0	08 18-12-2007 13:08:18
a68c4c61ac1002	.77010655dd2fa1	ld64f	[AC_V_Antonio	, com.hp.spain.inve	ntory.Order]	MWFM-2	1196	6778467511	REQUESTED	04-12-2007 20:05:20,0	05 04-12-2007 20:05:20
f2ca104aac10027	/7010655dd8c79	Jb21d	[07027439333	com.hp.spain.inver	ntory.Order]	MWFM-2	1198	3071458665	ESTABLISHED	19-12-2007 15:23:57,0	23 19-12-2007 15:23:57
a688627bac1002	.77010655dd49f3	3b45f	[AC_V_Antonio	, com.hp.spain.inve	ntory.Order]	MWFM-2	1196	6778467505	ESTABLISHED	04-12-2007 20:01:04,0	01 04-12-2007 20:01:04
inve	en t			4	registros encon Ex	trados, mostrando todi kportar: CSV   Excel   X	is los registro ML   PDF	os, Página 1			

Fig. 3 List of active Locks

The View's menu (Shown in the top part of the screen and between the superior and inferior menu levels) shows a series of fields through we can make a search of locks:

- LockId: Unique identifier for the lock. This identifier is generated automatically by the application.
- Key: Key that identifies a lock in the DB. It is composed of the Primary Key of the locked registry item and the class of the locked Bean.
- LockerName: Name the locker that asked for the lock.
- Ownerld: Unique identifier of the flow that performed the lock (jobld).
- Status: Locks's status.

There are four possible states for a lock:

- Requested. Lock has been requested, waiting for the Lock-Manager service to make the lock. Once made, the lock will go on to the Lock Established status
- Established. Lock established.
- Cancelled. Cancelled lock. Once the Lock Manager executes the lock will disappear.
- Pending. Lock pending unlocking operation.
- Creation Time: The lock's date creation.
- Last Status Time: Reflects the date for the last update of the lock status.

If no field is entered to filter the search of all the locks, all the existing locks will be shown on screen.

In the bottom part of the screen the list of active locks is shown.

### 4.1 Unlocking of the Active Locks

To unlock an active lock we select the required locks or unlocks from the list of active locks (Fig.4 List of active Locks) and we select the "Unlock" option from the menu below.

In the example being shown next, the first and third lock has been selected (by making a simple click with the left mouse button over the required lock) and next we choose the "Unlock" menu option.

» Gestión de Backups 🛛 » Archivo	» Administrador	» Inventario » Diagnostico » Audito	ria » Instalaciones »	Buscar 🛛 » Ayuda						
» Lockld	» Locker Name	e » Status	» Creatio	n Time	» Last Status	» Last Status Time				
			Desde:		Desde:					
» Kev	» Ownerld					В	uscar			
<i>w</i> recy	/ Ownering		Hasta:		Hasta					
			Hasta.		Tidata.					
» Lock Manager										
» Desbloquear » Activar refresco bloqueos	e	key	lockerName	ownerld	status	creationTime	lastStatusTin			
» Desactivar refresco bloqueos	lec8	[07027439233, com.hp.spain.inventory.Order]	MWFM-2	1197889642862	ESTABLISHED	18-12-2007 13:08:18.008	18-12-2007 13:08:1			
a68c4c61ac100277010655dd2fa1	d64f	[AC_V_Antonio, com.hp.spain.inventory.Order	MWFM-2	1196778467511	REQUESTED	04-12-2007 20:05:20,005	04-12-2007 20:05:2			
a688627bac100277010655dd49f3	lb45f	[AC_V_Antonio, com.hp.spain.inventory.Order	MWFM-2	1196778467505	ESTABLISHED	04-12-2007 20:01:04,001	04-12-2007 20:01:0			
invent		3 registros er	contrados, mostrando todos	los registros. Página 1 L   PDF						

Fig. 4 Unlocking of the selected locks

Next is shown again the list of active locks, without the ones we have just unlocked.

» Gestión de Backups   » A	rchivo » Administrador	» Inventario 🛛 » Diagnostico 🔹 Auc	ditoria » Instalaciones	» Buscar 🛛 » Ayuda			
» Lockld	» Locker Nam	e » Status	» Creati	on Time	» Last Status	Time	
			Desde:		Desde:		
» Key	» Ownerld					В	ıscar
			Hasta:		Hasta:		
» Lock Manager							
lockid	®	key	lockerName	ownerld	status	creationTime	lastStatusTim
a68c4c61ac1002770106	55dd2fa1d64f	[AC_V_Antonio, com.hp.spain.inventory.Ord	der] MWFM-2	1196778467511	ESTABLISHED	04-12-2007 20:05:20,005	26-12-2007 12:24:0
inve	n t		Se encontró un registro. Exportar: CSV   Excel   XI	Agina 1 IL∣PDF			

Fig. 4 List of locks after unlocking

## 4.2 Activation of the lock refresh feature

Another possible operation to be made relative to the locks is the lock refresh feature with which we can refresh automatically the list of existing locks with the frequency indicated.

To access it, once we have the list of active locks, we must select the option from the bottom menu called 'Activate lock refresh' ("Activar refresco bloqueos").

In comparison with the unlocking option, we do not need to select any locks beforehand to make the refresh activation.

» Archivo 🛛 » Administrador	» Inventario	» Diagnostico	» Auditoria	» Instalaciones	» Gestión de l	Backups 🛛 » I	Buscar × Ayuda			
» Lockld	» Locker Name » Status			» Creation Time			» Last Status Time			
						Desde:		Desde:		
» Kov		Dwnorld							Bu	scar
// Key		ownend				Hasta		Heater		
	-					HdStd.		Hasta.		
» Lock Manager										
» Desbloquear										
» Activar refresco bloqueos				key	lo	ockerName	ownerld	status	creationTime	lastStatusTin
» Desactivar refresco bloqueos	lec8	[070	27439233, com.I	hp.spain.inventory.On	der]	MWFM-2	1197889642862	ESTABLISHED	18-12-2007 05:08:18,008	18-12-2007 05:08:1
a68c4c61ac100277010655	dd2fa1d64f	[AC_	V_Antonio, com.	hp.spain.inventory.Or	rder]	MWFM-2	1196778467511	REQUESTED	04-12-2007 12:05:20,005	04-12-2007 12:05:2
f2ca104aac100277010655	dd8c79b21d	[070	27439333, com.I	hp.spain.inventory.On	der]	MWFM-2	1198071458665	ESTABLISHED	19-12-2007 07:23:57,023	19-12-2007 07:23:5
a688627bac100277010655	dd49f3b45f	[AC_	V_Antonio, com.	hp.spain.inventory.Or	rder]	MWFM-2	1196778467505	ESTABLISHED	04-12-2007 12:01:04,001	04-12-2007 12:01:0
inven	t			4 registro	is encontrados, mo Exportar: CS	istrando todos lo SV   Excel   XML	s registros. Página 1 PDF			

Fig. 5 Activation of Lock refresh option

Next we can see a new field called "Refresh every" ("Refresco cada") with which we can configure the frequency with which we will update the list of active locks. In this way we can monitor dynamically the existing locks in the HPSA.

Archivo » Administrador	» Inventario	» Diagnostico	» Auditoria » Instalacion	es 🛛 » Ges	tión de Backups 🛛 »	Buscar » Ayuda			( <b>b</b> )	
» Lockid	»l	.ocker Name	» Status		» Creation	n Time	» Last Status	Time		22822
					Desde:		Desde:			
» Kev	» (	Ownerld						B	uscar	
					Hasta:		Hasta:			
Lock Manager										
215									Refresco cada : 5 seg	*
lockld			key		lockerName	ownerld	status	creationTime	5 seg lastStatus	1
lockld ed278505ac1002770106	355ddefe6dec8	[0702	key 27439233, com.hp.spain.inventor	.Order]	lockerName MWFM-2	ownerld	status ESTABLISHED	creationTime	5 seg           last Status         15 seg           30 seg         30 seg           18-12-2007 05 60 seg         60 seg	
lockld ed278505ac1002770106 a68c4c61ac1002770106	355ddefe6dec8 855dd2fa1d64f	[0702 [AC_\	<b>key</b> 27439233, com.hp.spain.inventor V_Antonio, com.hp.spain.inventor	v.Order] y.Order]	IockerName MWFM-2 MWFM-2	ownerld 1197889642862 1196778467511	status ESTABLISHED REQUESTED	creationTime 18-12-2007 05:08:18,008 04-12-2007 12:05:20,005	Seg           lastStatus           30 seg           18-12-2007 05           60 seg           04-12-2007 12:05:20,00	) ) ) )5
lockid ed278505ac1002770106 a68c4c61ac1002770106 f2ca104aac1002770106	355ddefe6dec8 355dd2fa1d64f 355dd8c79b21d	[0702 [AC_\ [0702	key 27439233, com.hp.spain.inventor V_Antonio, com.hp.spain.inventor 27439333, com.hp.spain.inventor	v.Order] y.Order] v.Order]	IockerName MWFM-2 MWFM-2 MWFM-2	ownerld 1197889642862 1196778467511 1198071458665	status ESTABLISHED REQUESTED ESTABLISHED	creationTime 18-12-2007 05:08:18,008 04-12-2007 12:05:20,005 19-12-2007 07:23:57,023	IastStatus         5 seg           15 seg         15 seg           18-12-2007 05         60 seg           04-12-2007 12:05:20,00         19-12-2007 07:23:57,02	) ) ) 5 23
lockid ed278505ac1002770106 a68c4c61ac1002770106 f2ca104aac1002770106 a688627bac1002770106	355ddefe6dec8 855dd2fa1d64f 155dd8c79b21d 855dd49f3b45f	[0702 [AC_\ [0702 [AC_\	key 27439233, com hp.spain.inventor V_Antonio, com hp.spain.inventor 27439333, com hp.spain.inventor V_Antonio, com hp.spain.inventor	v.Order] y.Order] v.Order] y.Order]	lockerName MWFM-2 MWFM-2 MWFM-2 MWFM-2	ownerld 1197889642862 1196778467511 1198071458665 1196778467505	Status ESTABLISHED REQUESTED ESTABLISHED ESTABLISHED	creationTime 18-12-2007 05:08:18,008 04-12-2007 12:05:20,005 19-12-2007 07:23:57,023 04-12-2007 12:01:04,001	Seq           Iast Statu         15 seg           18-12-2007 05         60 seg           04-12-2007 12:05:20,00         19-12-2007 07:25:7,02           04-12-2007 12:01:04,00         04-12-2007 12:01:04,00	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

Fig. 6 Lock Refresh

## 4.3 Deactivation of the lock refresh option

The automatic lock refresh option can be disabled at any given time using the option from the "Lock Manager"'s bottom menu option called "Disable lock refresh". This option is only enabled when the automatic refresh is enabled.

Archivo » Administrador » Inventario	» Diagnostico » Auditoria	» Instalaciones 🛛 » Ges	tión de Backups 🛛 » B	uscar » Ayuda			Ø
» Lockid » l	Locker Name	» Status	» Creation T	ïme	» Last Status 1	Time	
			Desde:		Desde:		
» Kev » (	Ownerld					Bu	iscar
<i>"</i>	ounond		Hactor		Hasta		
			riasta.		Tidata.		
.ock Manager							
Jesbloquear							
ctivar refresco bloqueos							Refresco cada : 5 seg 💙
lesactivar refresco bloqueos							
lockld	k	ey	lockerName	ownerld	status	creationTime	lastStatusTime
ed278505ac100277010655ddefe6dec8	[07027439233, com.h;	o.spain.inventory.Order]	MWFM-2	1197889642862	ESTABLISHED	18-12-2007 05:08:18,008	18-12-2007 05:08:18,008
a68c4c61ac100277010655dd2fa1d64f	[AC_V_Antonio, com.h	p.spain.inventory.Order]	MWFM-2	1196778467511	REQUESTED	04-12-2007 12:05:20,005	04-12-2007 12:05:20,005
f2ca104aac100277010655dd8c79b21d	[07027439333, com.h;	o.spain.inventory.Order]	MWFM-2	1198071458665	ESTABLISHED	19-12-2007 07:23:57,023	19-12-2007 07:23:57,023
a688627bac100277010655dd49f3b45f	[AC_V_Antonio, com.h	p.spain.inventory.Order]	MWFM-2	1196778467505	ESTABLISHED	04-12-2007 12:01:04,001	04-12-2007 12:01:04,001
invent		4 registros encont Ex	rados, mostrando todos los portar: CSV   Excel   XML   F	registros. Página <b>1</b> DF			

Fig. 7 Deactivation of the automatic lock refresh option

# 5 Locker Management

Another feature is the management of the lockers registered in the HPSA, allowing the user to deregister them, to activate or deactivate the automatic refresh.

A locker being active implies that the Lock Manager will manage the locking requests from that locker, or, in other words, it will manage the locking requests belonging to the flows that are executed in the machine where that locker resides.

To make a list of all the registered lockers in the HPSA we must select the "Search" (Buscar) ' "Lock Manager" ' "Lockers" (Bloqueadores).



Fig. 8 Lockers Menu

Next we can see in the bottom part of the screen a list with all the registered lockers.

» Archivo	» Administrador	» Inventario	» Diagnostico	» Auditoria »	Instalaciones	» Gestión de	Backups	» Buscar	» Ayuda					
» Lock M	anager													
W Edditerin	anager													
Mostra	ndo todos los bloque	eadores activos	en el Lock Manar	ger.										
	name				u	rl						lastAcce	ssTime	1
	name MWFM-2			rmi://172.	16.2.120:2000/Rr	<b>rl</b> miLockerService-M	WFM-2					lastAcce 20-12-2007 1	ssTime 1:28:01,028	
_	name MWFM-2 MWFM-1			rmi://172. rmi://172.	ui 16.2.120:2000/Rr 16.2.118:2000/Rr	<b>rl</b> miLockerService-M miLockerService-M	WFM-2 WFM-1					lastAcce 20-12-2007 1 20-12-2007 1	ssTime 1:28:01,028 1:28:52,028	
	name MWFM-2 MWFM-1			rmi://172. rmi://172.	ui 16.2.120:2000/Rr 16.2.118:2000/Rr 2 registro	rl miLockerService-M miLockerService-M os encontrados, m Exportar: C	WFM-2 WFM-1 ostrando todo: SV   Excel   Xi	s los registro ML   PDF	s. Página <b>1</b>		_	lastAcce 20-12-2007 1 20-12-2007 1	ssTime 1:28:01,028 1:28:52,028	
	name MWFM-2 MWFM-1			rmi://172. rmi://172.	ui 16.2.120:2000/Rr 16.2.118:2000/Rr 2 registro	rl miLockerService-Mi miLockerService-Mi os encontrados, mi Exportar: Ci	WFM-2 WFM-1 ostrando todo: SV   Excel   XI	s los registro ML   PDF	s. Página <b>1</b>			lastAcce 20-12-2007 1 20-12-2007 1	ssTime 1:28:01,028 1:28:52,028	
	name MWFM-2 MWFM-1	n t		rmi://172. rmi://172.	ui 16.2.120:2000/Rr 16.2.118:2000/Rr 2 registro	rl miLockerService-M miLockerService-M os encontrados, m Exportar: C	WFM-2 WFM-1 ostrando todo: SV   Excel   XI	s los registro ML   PDF	s. Página <b>1</b>	-		lastAcce 20-12-2007 1 20-12-2007 1	ssTime 1:28:01,028 1:28:52,028	
i	name MWFM-2 MWFM-1	n t		- rmi://172. rmi://172.	ui 16.2.120:2000/Rr 16.2.118:2000/Rr 2 registra	rl miLockerService-M miLockerService-M os encontrados, m Exportar: C	WFM-2 WFM-1 sstrando todo: SV   Excel   Xh	s los registro VIL   PDF	s. Página <b>1</b>		-	lastAcce 20-12-2007 1 20-12-2007 1	ssTime 1:28:01,028 1:28:52,028	_

Fig. 9 Locker list

The information shown about each locker is the following:

- Name: name of the registered locker. The name of the locker must be unique.
- URL: url of the locker.
- LastAccessTime: Date of the last time the locker was accessed.

#### 5.1 Un-registration of the lockers

In order to make an un-registration of a locker we must first select a locker or lockers desired and select the "Lock Manager" ' "Un-register" (Desregistrar) option from the bottom menu.

» Archivo » Administrador » Inve	ntario » Diagnostico » Auditoria » Instalaciones » Gestión de Backups » Buscar » Ayuda	Pontify Notes
Lock Manager     Activar refresco bloqueadores     Desactivar refresco bloqueadores     Peregistrar	activos en el Lock Manager. url	lastAccessTime
MWFM-2	rmi://172.16.2.120:2000/RmiLockerService-MWFM-2	20-12-2007 11:28:01,028
MVVFM-1	rmi://172.16.2.118:2000/RmiLockerService-MWFM-1	20-12-2007 11:28:52,028
invent	2 registros encontrados, mostrando todos los registros. Página 1 Exportar: CSV   Excel   XML   PDF	

Fig. 10 Un-registering of Lockers

In the example from the image above the locker MWFM-2 has been selected. If we then select the "Unregister" option from the menu, the same screen will appear but with only one locker, MWFM-1.

### 5.2 Activation of the Locker refresh

In a similar way as what happens with the locks, there exists the possibility of enabling the automatic refresh of the list of registered lockers. To do this, we select the "Lock Manager" ' "Activate the locker refresh" menu option.

» Archivo	» Administrador	» Inventario	» Diagnostico	» Auditoria 🛛 » Insta	laciones 🛛 » Ge	stión de Backups	» Buscar	» Ayuda			Postal
											Notes
» Lock Ma	nager										
» Activar re	efresco bloqueadore:	S									
» Desactiva	ar refresco bloquead	ores activos	en el Lock Manage	er.							
Deservice											
» Desregis	trar										
» Desregis	trar				url					lastAccessTime	
» Desregis	trar IWFM-2			rmi://172.16.2.1	url 20:2000/RmiLockers	Service-MWFM-2				lastAccessTime 20-12-2007 11:28:01,028	1
N Desregis	IWFM-2			rmi://172.16.2.1 rmi://172.16.2.1	url 20:2000/RmiLockers 18:2000/RmiLockers	Service-MWFM-2 Service-MWFM-1				lastAccessTime 20-12-2007 11:28:01,028 20-12-2007 11:28:52,028	
N Desregis	trar IWFM-2 IWFM-1			rmi://172.16.2.1 rmi://172.16.2.1	url 20:2000/RmiLockers 18:2000/RmiLockers 2 registros encon Ex	Service-MWFM-2 Service-MWFM-1 trados, mostrando to cportar: CSV   Excel	dos los registro XML   PDF	is. Página <b>1</b>		lastAccessTime 20-12-2007 11:28:01,028 20-12-2007 11:28:52,028	1
N Desregis	trar IWFM-2 IWFM-1			rmi://172.16.2.1 rmi://172.16.2.1	url 20:2000/RmiLockers 18:2000/RmiLockers 2 registros encon E:	Service-MWFM-2 Service-MWFM-1 trados, mostrando to cportar: CSV   Excel	dos los registro XML   PDF	s. Página <b>1</b>		lastAccessTime 20-12-2007 11:28:01,028 20-12-2007 11:28:52,028	3
N Desregis	trar IWFM-2 IWFM-1			rmi//172.16.2.1 rmi://172.16.2.1	url 20:2000/RmiLockers 18:2000/RmiLockers 2 registros encon E:	Service-MWFM-2 Service-MWFM-1 trados, mostrando to cportar: CSV   Excel	dos los registro XML   PDF	is. Página 1		lastAccessTime 20-12-2007 11:28:01,028 20-12-2007 11:28:52,028	
N Desregis	trar IWFM-2 IWFM-1	t		rmi://172.16.2.1 rmi://172.16.2.1	url 20:2000/RmiLockers 18:2000/RmiLockers 2 registros encon E:	Service-MWFM-2 Service-MWFM-1 trados, mostrando to xportar: CSV   Excel	dos los registro XML   PDF	is. Página 1		lastAccessTime 20-12-2007 11:28:01.028 20-12-2007 11:28:52.028	

Fig. 11 Activating the Locker Refresh

Once this option has been selected, it appears in the bottom part of the screen a new field which allows configuring the frequency with which the list of lockers will be updated.

Archivo	» Admini	istrador » Inventar	io   » Diagnostico   » Auditoria   » Instalaciones   » Gestión de Backups   » Buscar   » Ayuda	
.ock Man Mostrande	ager o todos lo	os bloqueadores acti	vos en el Lock Manager.	Refresco cada : 5 seg 🗸
na	ame		uri	lastAccessTime 30 seg
MV	/FM-2		rmi://172.16.2.120:2000/RmiLockerService-MWFM-2	20-12-2007 11:28:01,028 60 seg
MV	/FM-1		rmi://172.16.2.118:2000/RmiLockerService-MWFM-1	20-12-2007 11:28:52,028
i n	v	e n t	2 registros encontrados, mostrando todos los registros. Página 1 Exportar: CSV   Excel   XML   PDF	



## 5.3 Deactivation of the Locker refresh

The automatic Locker refresh can be disabled at any given moment by using the option from the menu "Lock Manager" ' "Disable locker refresh" (Desactivar refresco bloqueadores). This option will only appear when the automatic refrech is currently active.

To switch on this feature, select the menu option "Lock Manager" ' "Disable locker refresh" (Desactivar refresco bloqueadores).

Archivo » Administrador » Inve	ntario » Diagnostico » Auditoria » Instalaciones » Gestión de Backups » Buscar » Ayuda	
Lock Manager		
Activar refresco bloqueadores Desactivar refresco bloqueadores Desregistrar	activos en el Lock Manager.	Refresco cada : 5seg 💙
name	uri	lastAccessTime
MWFM-2	rmi://172.16.2.120:2000/RmiLockerService-MWFM-2	20-12-2007 11:28:01,028
MWFM-1	rmi://172.16.2.118:2000/RmiLockerService-MWFM-1	20-12-2007 11:28:52,028
invent	2 registros encontrados, mostrando todos los registros. Página 1 Exportar: CSV   Excel   XML   PDF	

Fig. 13 Deactivation of the Locker Refresh

# 6 List of Data

If when selecting any of the previously mentioned operations, a list of data appears in the bottom part of the screen similar to the following:

» Archivo	» Administrador	» Inventario	» Diagnostico	» Auditoria	» Instalaciones	» Gestión de Backup	s » Buscar	» Ayuda			
» Lock Ma	nager										
Mostran	do todos los bloque	eadores activos	s en el Lock Mana	ner.							
mootrum	de lodee loe bloqu		o on or cook mana								
	name				u	rl				lastAccessTime	
N	IWFM-2			rmi://1	72.16.2.120:2000/Rr	miLockerService-MWFM-2				20-12-2007 11:28:01,028	
N	IWFM-1			rmi://1	72.16.2.118:2000/Rr	miLockerService-MWFM-1				20-12-2007 11:28:52,028	
					2 registro	os encontrados, mostrando Exportar: CSV   Exce	odos los registr    XML   PDF	os. Página <b>1</b>			

The data can be ordered using any of the list's fields. In this particular case (name, url, lastAccessTime). To do this, we only have to click with the left mouse button over the field we want to use to order.

In the bottom part of the table a message appears indicating the number of elements listed, and also options for exporting the result to a file in several formats: CSV, Excel, XML or PDF.

Last of all, if the result list contains more than 10 elements it will be paginated, indicating at all times that page we are in. Also we can go to the next or the previous page.

» Archivo	» Administrador	» Inventario	» Diagnostico	» Auditoria	» Instalaciones	s 🛛 » Ges	tión de Backups	» Buscar	» Ayuda			
» Loo	kld	» l	.ocker Name		» Status		» Crea	tion Time		» Last Status	Time	
							Desde	:		Desde:		
» Ke	У	» (	Ownerld				Hasta:			Hasta:		Buscar
» Lock Ma	nager				File Downloa	ıd			Note	3		
	lockid	0		k	e Do you war	nt to open	or save this file?			status	creationTime	lastStatus
ed2	ed278505ac100277010655c	655ddefe6dec8 [07027439233, com.hp	Na Na	Name: loc	ks.xls			STABLISHED	18-12-2007 05:08:18,008	8 18-12-2007 05:		
a61	Bc4c61ac1002770106	55dd2fa1d64f	[AC_	/_Antonio, com.hp		Type: Hoja de cálculo de From: 172 16 2 121	via de cálculo de Micro	le cálculo de Microsoft Excel, 766 bytes 5. 2. 121	REQUESTED	04-12-2007 12:05:20,005	04-12-2007 12:	
f2c	a104aac10027701065	5dd8c79b21d	[070	27439333, com.hp			72 16 2 121		STABLISHED	19-12-2007 07:23:57,023	19-12-2007 07:	
a6i	38627bac1002770106	55dd49f3b45f	[AC_	V_Antonio, com.h	¢					STABLISHED	04-12-2007 12:01:04,001	04-12-2007 12:
i r	n v e i	n t			Always asl	< before op	Open	Save	Cancel			
					ham save	n your comp this file. <u>W</u>	the internet can be us outer. If you do not trus ihat's the risk?	serur, some mes st the source, o	lo not open or			

In the following example we select the option of exporting to Excel format:

Fig. 14 Exporting result menu

A window appears indicating the name for the file with the exported data, and an option is given of either opening the file or saving it on disk.

# 7 Configuration

In order to be properly configured the Lock Manager Web needs to know where the Lock Manager service is located, and from what host and port the Lock Manager Web's locker will communicate with the Service.

#### **Configuration for the RMI Lock-Manager**

These properties specify the location of the RMI Lock Manager Service, which is the module that implements the Locking.

lock.manager.service.ip = 127.0.0.1

lock.manager.service.port = 1220

lock.manager.service.name = RmiLockManagerService

lock.manager.locker.persistence.dir = \${dir.hpsa.var}/tmp/lockers

#### **Configuration for the Command Line Locker**

This is the locker that will be used to communicate with the Lock Manager Service lock.manager.locker.service.ip = localhost lock.manager.locker.service.port = 1230 lock.manager.locker.service.name = RmiLockerService-SUPERLOCKER\_CMD lock.manager.locker.name = SUPERLOCKER\_CMD

#### **Configuration for the Web Administration Locker**

This is the locker that the Lock Manager Web will use to communicate with the Lock Manager Service locker.service.host = localhost locker.service.port = 1230 locker.service.name = RmiLockerService-SUPERLOCKER\_WEB\_1 locker.name = SUPERLOCKER\_WEB\_1