

# NetworkInterfacesServiceMBean documentation

## 1. Bean Description

Description : Network interfaces management

Type : net.sbbi.jafs.services.NetworkInterfacesService

Domain : services

ClassName : net.sbbi.jafs.management.NetworkInterfacesServiceMBean

## 2. List of operations

[applyChanges](#), [getDynDNSClientsClassNames](#), [getDynDNSClientsParams](#),  
[getNatMappersClassNames](#), [getNatMappersParams](#), [getNetworkInterfacesIds](#),  
[getOSNetworkInterfaces](#), [manageNatMapper](#), [manageNetworkInterface](#),  
[manageSettingsOnNatMapper](#)

## 3. Operations declaration

### 3.1.

getOSNetworkInterfaces	
Description	Lists (interface name, IP, interface identifier) the network interfaces defined by your OS
Return type	java.net.NetworkInterface[]
Impact	INFO

### 3.2.

getNatMappersClassNames
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Description	Lists all the available NAT mappers driver class names
Return type	java.lang.String[]
Impact	INFO

### 3.3.

getNatMappersParams			
Description	Retreive all the possible params names and their description for a NAT mapper driver		
Return type	java.util.Map		
Impact	INFO		
Parameters	<table border="1"> <tr> <td>mapperClassName</td> <td>type: java.lang.String</td> </tr> </table>	mapperClassName	type: java.lang.String
mapperClassName	type: java.lang.String		

### 3.4.

getDynDNSClientsClassNames	
Description	Lists all the available Dynamic DNS clients class names
Return type	java.lang.String[]
Impact	INFO

### 3.5.

getDynDNSClientsParams	
Description	Retreive all the possible params names and their description for a Dynamic DNS client

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Return type	java.util.Map		
Impact	INFO		
Parameters	<table border="1"><tr><td>dynDNSClientClassName</td><td>type: java.lang.String</td></tr></table>	dynDNSClientClassName	type: java.lang.String
dynDNSClientClassName	type: java.lang.String		

### 3.6.

getNetworkInterfacesIds	
Description	Retreives all the current configured network interfaces id
Return type	java.lang.String[]
Impact	INFO

### 3.7.

manageNetworkInterface							
Description	Manages an network interface (add/delete/update)						
Return type	boolean						
Impact	ACTION						
Parameters	<table border="1"><tr><td>action</td><td>type: java.lang.String</td></tr><tr><td>id</td><td>type: java.lang.String</td></tr><tr><td>isDefault</td><td>type: boolean</td></tr></table>	action	type: java.lang.String	id	type: java.lang.String	isDefault	type: boolean
action	type: java.lang.String						
id	type: java.lang.String						
isDefault	type: boolean						

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	name	type: java.lang.String	
	fwHostName	type: java.lang.String	
	dynIPCheckTime	type: int	
	inputBufferSize	type: int	
	outputBufferSize	type: int	

### 3.8.

manageNatMapper		
Description		
		Manages an NAT mapper for an network interface (add/delete/update)
Return type		
		boolean
Impact		
		ACTION
Parameters		
action		type: java.lang.String
networkInterfaceId		type: java.lang.String

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	className	type: java.lang.String
	mappingsMonitoringTime	type: int

### 3.9.

manageSettingsOnNatMapper		
Description		
	Manages the custom settings of an NAT mapper, to know the allowed settings names that a driver supports, use the listNatMappersParams operation	
Return type		
	boolean	
Impact		
	ACTION	
Parameters		
	action	type: java.lang.String
	networkInterfaceId	type: java.lang.String
	settingName	type: java.lang.String
	settingValue	type: java.lang.String

### 3.10.

applyChanges	
Description	
	Apply all the current pending modifications done

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	with the manageXXX methods
Return type	void
Impact	ACTION