

This document is presented as a general guide for integration with the DEVICE MANAGEMENT console. Some operations are presented in detail including request data, parameters, responses, and error codes.

General

General

Listed below are some generalities that must be taken into account for the correct functioning of the Aranda DEVICE MANAGEMENT ADM API.

- Operations on the API must be performed with users who have the corresponding permissions assigned from the Aranda DEVICE MANAGEMENT ADM Administration Console.
- Using the API requires available licenses, which will behave the same as if a user were logged into the console.

Description of Operations

Description of operations

This section describes in detail how each of the services corresponding to each method is consumed. Details such as URIs, operation type, parameters (required and optional) and their types, responses, codes, and error messages are included.

The Operations exposed by ADM It consists of the following modules:

1. [Distribution](#)
2. [Software](#)
3. [Devices](#)

Description of Operations/Distribution

Distribution

Petition Details/Distribution

Verb: GET
URL: {url}/distribution

Parameters

Field	Description	Guy	Obligatory	Possible values
search	Value by which it will be filtered in the search	Text	no	-
orderField	Field by which the list will be sorted	Text	yes	creationDate, creatorUserName, description, lastExecutionDate, name, platform , type
orderType	Field indicating sort type, ascending or descending	Text	yes	ASC,DESC
pageSize	Field indicating the number of results expected in the response	Whole	yes	-
Pages	Field that indicates the number of results that we have obtained in previous queries. This field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

Field	Description	Guy
creationDate	Date of creation of the distribution	Date
creatorUserName	Name of the user who created the distribution	Text
Description	Description given to the distribution	Text
Id	Distribution Identifier	Whole
lastExecutionDate	Date of the last execution of this distribution	Date
Name	Name assigned to the execution	Text
packageCount	Count of pauqetes contained in the distribution	Whole
Platform	Type of platform on which the distribution was created	Text
type	Distribution type, agent, or software	Text
updateDate	Project Update Date	Date

- Code: 400 - Bad request - Answer: Error Description Message
- Code: 500 - Internal Error Server - Answer: Error Description Message
- BadRequest Search parameters are not being sent
- ValidationError if one of the required values is not sent.

Description of Operations/Software

Software/Get Software Listing

Request Details/Get Software Listing

Verb: GET
URL: {url}/software

Parameters

Field	Description	Guy	Obligatory	Possible values
search	Value by which it will be filtered in the search	Text	no	-
orderField	Field by which the list will be sorted	Text	yes	Id installations, IsInventory, manufacturer, manufacturerId, Name , platform , version
orderType	Field indicating sort type, ascending or descending	Text	yes	ASC,DESC
pageSize	Field indicating the number of results expected in the response	Whole	yes	-
Pages	Field that indicates the number of results that we have obtained in previous queries. This field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 - Successful Answer:True

Field	Description	Guy
Id	Distribution Identifier	Whole
installations	Gets the number of devices where it is installed	Whole
IsInventory	Indicates if it is from the inventory (True = yes, False = no)	Boolean
manufacturer	Software Manufacturer Name	Text
manufacturerId	Software Manufacturer Identifier within ADM	Whole
Name	Software Name	Text
Platform	Platform for which the software was created	Text
type	Software Type	Text
Version	Software version	Text

- Code: 400 - Bad request Answer: Error Description Message
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest Search parameters are not being sent
- ValidationError If one of the required values is not sent

Software/Get Device Software Listing

Gets the software listing of the device

Verb:POST
URL: {url}/device/{id}/software/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	no	-	
Search	Value by which it will be filtered in the search	Text	no	-
orderField	Field by which the list will be sorted	Text	yes	Id manufacturer, name, Version
orderType	Field indicating sort type, ascending or descending	Text	yes	ASC,DESC
pageSize	Field indicating the number of results expected in the response	Whole	yes	-
pageIndex	Field that indicates the number of results that we have obtained in previous queries. This field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 - Successful Answer: true

Field	Description	Guy
Date	Software Date	Date
manufacturer	Software Manufacturer Name	Text
Name	Product Name	Text
type	Software Type	Text
uninstallString	Software Uninstall Command	Text
Version	Software version	Text

- Code: 400 - Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused

- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Description of Operations/Devices

Devices/Get the Device List Summary

Request Details/Get the Device List Summary

Verb:POST
URL: *{url}/device/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	-
orderField	Field by which the list will be sorted	Text	Yes	name, userName, description, responsibleUserName
orderType	Field indicating sort type, ascending or descending	Text	Yes	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	yes	-
pageIndex	This field indicates the result number we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 - Successful Answer:True

Field	Description	Guy
agentProfile	Describes the agent profile assigned to the device	Text
agentVersion	Describes the agent’s profile version	Text
completeIpAddress	Device IP address	Text
cpuCore	Number of CPU Nuclei	Whole
cpuLogic	Number of logical cores	Whole
creationDate	Date of creation of the device in ADM	Text
daysSinceLastInventory	Days since the last inventory of the device was taken	Whole
diskAviable	Amount of disk available	Numerical
diskTotal	Disk size quantity	Numerical
Description	Description given to the device	Text
Discovery	Reports if the device was discovered	Boolean
diskUsage	Hard Disk Usage Percentage	Numerical
Domain	Domain to which the device belongs	Text
Id	Device Identifier	Whole
ipRegistred	IP with which the device was registered	Text
ipAddress	List of IP addresses assigned to the device	Text Listing
lastInventory	Date on which the last inventory was run	Date
macAddress	List of mac addresses assigned to the device	Text Listing
macAddressRegister	Registered mac address	Alfanumeric
maufacturer	Device Manufacturer	Text
memoryUsage	Memory usage percentage	Numerical
model	Device Model	Text
Name	Device Name	Text
operatingSystem	Device operating system	Text
operatingSystemVersion	Version of the operating system installed on the device	Text
responsibleUserEmail	Email from the device manager	Text
responsibleUserId	Device Owner Identifier	Text
responsibleUserName	Name of the person responsible for the device	Text
serial	Machine Serial	Text
status	Device status	Text
totalRam	Total RAM of the device	Numerical
type	Device Type (0 = Desktop, 1 = Laptop, 2 = Server, 3 = Printer, 4 = Switch, 5 = Router). The above are predefined by ADM. If custom types were created, the ID can be consulted in the following table to know its equivalence: AAM_DEVICE_TYPE.	Whole
userName	Username on the machine	Text
vistualization	Virtualization Type (Esxi55, HyperV2)	Text

- Code: 400 - Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Gets a device's logical disk list

Request Details/Gets the list of logical disks for a device devices

Verb:POST
URL: {url}/device/{id}/logicaldisk/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	-
orderField	Field by which the list will be sorted	Text	Yes	driverType, fileSystem, mediaType, serial unit, volumeName
orderType	Field indicating sort type, ascending or descending	Text	Yes	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	yes	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 – Successful Answer:True

Field	Description	Guy
driverType	Unit Type	Text
fileSystem	The type of file system used on that drive. For example, FAT, FAT32, NTFS, CDFS	Text
Freespace	Free disk space	Numerical
Name	Unit Name	Text
usedSpace	Disk Space Used	Numerical
volumeName	Disk Volume Name	Text

- Code: 400 – Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Get the list of monitors for the device

Request Details/Get the Device Monitor List

Verb:POST
URL: {url}/device/{id}/display/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	The values by which they can be filtered: -Maker -Model -Name -serial
orderField	Field by which the list will be sorted	Text	Yes	manufacturer, model, name, version, serial
orderType	Field indicating sort type, ascending or descending	Text	Yes	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	yes	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 – Successful Answer: True

Field	Description	Guy
Date	Date of manufacture	Date
manufacturer	Monitor Manufacturer	Text
model	Monitor Model	Text
Name	Monitor Name	Text
Version	Obtains or sets version of the monitor’s EDID structure EDID=Extended display identification data	Text
serial	Monitor Serial	Text

- Code: 400 – Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Get the list of network adapters for the device

Request Details/Get the list of network adapters for the device

Verb:POST
URL: {url}/device/{id}/networkAdapter/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	The values by which they can be filtered: - Adapter name
orderField	Field by which the list will be sorted	Text	Yes	adapterName
orderType	Field indicating sort type, ascending or descending	Text	Yes	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	yes	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 – Successful Answer: True

Field	Description	Guy
addressList	It stores IP addresses with their respective network masks that a network card has	Text Listing
Description	Network adapter description	Text
dhcpServer	DHCP server IP address	Text
dnsList	Stores IP addresses configured for the DNS	Text
gatewayList	Stores IP addresses configured for the Gateway	Text
isDhcpEnable	Indicates whether the station’s IP was set by a DHCP server	Bool
isLmHostsEnabled	Whether the LMHOSTS (LAN Manager Hosts) is enabled or not	Bool
leaseExpires	Date on which the IP address obtained by the DHCP server expires	Date
leaseObtained	Date on which the IP address obtained by the DHCP server was assigned	Date
macAddress	MAC identification number associated with the station’s network card	Text
maskList	Stores the network masks that a network card has	Text Listing
networkAdapterType	Network adapter classification (ethernet, Token ring, etc...)	Text
Speed	Net Tearjet Speed	Numerical

- Code: 400 - Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest Search parameters are not being sent
- ValidationError If one of the required values is not sent

Devices/Gets the device's memory slot list

Request Details/Gets the Device’s Memory Slot List

Verb: POST
URL: {url}/device/{id}/memory/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	The values by which they can be filtered: -Serial -Name -Maker -Model
orderField	Field by which the list will be sorted	Text	Yes	Id bank, fromFactor, Handler manufacturer, model, name, serial
orderType	Field indicating sort type, ascending or descending	Text	Yes	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	yes	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	yes	-

Answer

- Code: 200 - Successful Answer:True

Field	Description	Guy
Bank	Memory bank	Text
factor	Memory slot factor	Text
Handler	Physical handle of memory	Text
Id	Memory slot identifier	Numerical
manufacturer	Manufacturer Name	Text
model	Memory model	Text
Name	Memory Slot Name	Text
serial	Serial of memory	Text
size	Memory size in the slot, if there is no allocated memory the value will be 0	Numerical
speed	Memory speed	Numerical
type	Memory Type	Text

- Code: 400 - Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused

- Code: 500 - Internal Error Server Answer: Error Description Message

- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Get the device's CD-ROM listing

Request Details/Get the Device’s CD-ROM List

Verb:POST
URL: {url}/device/{id}/cdrom/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	The values by which they can be filtered: -Model
orderField	Field by which the list will be sorted	Text	Yes	bustype, model, serial
orderType	Field indicating sort type, ascending or descending	Text	No	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	No	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	No	-

Answer

- Code: 200 – Successful Answer:True

Field	Description	Guy
bus	CD ROM bud type	Text
Feature	Obtains or establishes a formation of the characteristics of the CD-ROM joins	Text Listing
model	CR ROM Unit Model	Text
Name	Monitor Name	Text
Hardware Id	Hardware Identifier	Text
serial	Serial del CD ROM	Text

- Code: 400 – Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Get the list of device motherboards

Request Details/Get the Device Motherboard List

Verb:POST
URL: {url}/device/{id}/boardSlot/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	The values by which they can be filtered: -Name
orderField	Field by which the list will be sorted	Text	Yes	slotId, Name
orderType	Field indicating sort type, ascending or descending	Text	No	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	No	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	No	-

Answer

- Code: 200 - Successful Answer:True

Field	Description	Guy
Description	If the slot is in use or available	Text
Name	Slot Name	Text
Shadow Blade	Unique identifier of the slot on board	Text
type	Slot Type	Text

- Code: 400 - Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Get the list of printers for the device

Request Details/Get the Device Printer List

Verb:POST
URL: {url}/device/{id}/printer/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
updateDate	Date value that the modification is filtered	Date	No	-
search	Value by which it will be filtered in the search	Text	No	The values by which they can be filtered: - Driver name -Maker - Printer name
orderField	Field by which the list will be sorted	Text	Yes	Id driverName, printerName, manufacturer
orderType	Field indicating sort type, ascending or descending	Text	No	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	No	-
pageIndex	This field indicates the result number that we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	No	-

Answer

- Code: 200 – Successful Answer: True

Field	Description	Guy
Description	Brief description of the printer (if registered in the printer settings)	Text
Name	Peripheral Driver Name	Text
manufacturer	Printer Manufacturer	Text
port	Communications port to which the printer is connected	Text
printerName	Printer Name	Text

- Code: 400 – Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent

Devices/Delete files of a specific extension on a device

Request Details/Remove files of a specific extension on a device

Verb: POST
URL: {url}/device/{id}/extension/{extension}]

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
Id	Represents the identifier of the device to which the files are to be deleted	Whole	Yes	-
Extension	The extension of the file you want to remove from the device.	Text	Yes	jpg, png, pdf, etc...

Answer

- Code: 200 – Successful Answer: True
- Code: 400 – Bad request Answer: Error Description Message
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest if the extension is empty. If the device ID is not greater than 1
- ValidationError If one of the required values is not sent

Devices/Restart a device

Request Details/Restart a Device

Verb: POST
URL: {url}/device/{id}/restart

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
Id	Represents the ID of the device on which the action is to be executed	Whole	Yes	-

Answer

- Code: 200 – Successful Answer: True

- Code: 400 - Bad request Answer: Error Description Message
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest If the device ID is not greater than 1
- ValidationError If one of the required values is not sent

Devices/Sending a Message to a Device

Request Details/Send a Message to a Device

Verb:POST
URL: {url}/device/{id}/message/{text}

Parameters

Parameters for this request:

Field	Description	Guy	Obligatory	Possible values
Id	Represents the identifier of the device on which the action is to be executed.	Whole	Yes	-
text	Message that you want to send to the device.	Text	Yes	Hello World!

Answer

- Code: 200 - Successful Answer: True
- Code: 400 - Bad request Answer: Error Description Message
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest If the device ID is not greater than 1. If the message is empty or not sent.
- ValidationError If one of the required values is not sent

Devices/Turning on a Device

Request Details/Power On a Device

Verb:POST
URL: {url}/device/{id}/wakeonlan

Parameters

Parameters for this request:

Field	Description	Guy	Obligatory	Possible values
Id	Represents the identifier of the device on which the action is to be executed.	Whole	Yes	-

Answer

- Code: 200 - Successful Answer: True
- Code: 400 - Bad request Answer: Error Description Message
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest If the device ID is not greater than 1
- ValidationError If one of the required values is not sent

Devices/Turning Off a Device

Request Details/Shut Down a Device

Verb:POST
URL: {url}/device/{id}/shutdown

Parameters

Parameters for this request:

Field	Description	Guy	Obligatory	Possible values
Id	Represents the identifier of the device on which the action is to be executed.	Whole	Yes	-

Answer

- Code: 200 – Successful Answer: True
- Code: 400 – Bad request Answer: Error Description Message
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest If the device ID is not greater than 1
- ValidationError If one of the required values is not sent

Devices/Uninstall software from a device

Request Details/Uninstall Software from a Device

Verb: POST
URL: {url}/device/{id}/software/{softwareId}/uninstall

Parameters

Field	Description	Guy	Obligatory	Possible values
Id	Represents the identifier of the device on which the action is to be executed.	Whole	Yes	-
softwareId	It represents the identifier of the software that you want to uninstall.	Whole	Yes	-

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
uninstallString	Describes the command for silent uninstall	Whole	Yes	-

Answer

- Code: 200 – Successful Answer: True
- Code: 400 – Bad request Answer: Error Description Message
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest If the device ID is not greater than 1. If the installation string is not sent
- ValidationError If one of the required values is not sent

Devices/Distribute Software/Agent to a Device

Request Details/Distribute Software/Agent to a Device

Verb: POST
URL: {url}/device/{id}/distribution/{distributionId}

Parameters

Parameters for this request:

Field	Description	Guy	Obligatory	Possible values
Id	Represents the identifier of the device on which the action is to be executed.	Whole	Yes	-
distributionId	Represents the ID of the distribution to be executed.	Whole	Yes	-

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
executionName	Name that will be given to the execution. If it is not submitted, the name will be the date the run is created.	Text	No	-

Answer

- Code: 200 – Successful Answer: The following is the body of the response, where the ID of the execution is located

Field	Description	Guy
Id	Created execution ID	Whole
setupProjectId	Distributed Project Identifier Submitted	Whole
executionName	Name of the created run	Text

- Code: 400 – Bad request Answer: Error Description Message
- Code: 500 – Internal Error Server Answer: Error Description Message
- BadRequest If the device ID is not greater than 1. If the distribution ID is not greater than 0
- ValidationError If one of the required values is not sent

Devices/Get the processor listing summary

Request Details/Get the processor listing summary

Verb:POST
URL: {url}/device/{id}/processor/list

Parameters

Parameters for this request that must be sent in the body of the request:

Field	Description	Guy	Obligatory	Possible values
search	Value by which it will be filtered in the search	Text	No	Model Maker Family
orderField	Field by which the list will be sorted	Text	Yes	coreCount family Features frequency logicalProcessors manufacturer model serial Socket speed
orderType	Field indicating sort type, ascending or descending	Text	Yes	ASC, DESC
pageSize	This field indicates the number of results expected in the response	Whole	No	-
pageIndex	This field indicates the result number we have obtained in previous queries, this field is used in conjunction with pageSize for pagination	Whole	No	-

Answer

- Code: 200 – Successful Answer:True

Field	Description	Guy
totalItems	Number of processors in the device	Whole
content	The object of the answer	Arrangement
coreCount	Number of cores	Whole
family	Processor Family	Text
Features	Processor Features	Text
frequency	Processor Speed	Whole
label	Socket label	Text
logicalProcessors	Number of Logical Processors	Whole
manufacturer	Processor Manufacturer	Text
model	Processor Model	Text
serial	Serial Processor	Text
Socket	Identifying the Processor Socket	Text
speed	Maximum processor speed	Whole

- Code: 400 - Bad request Answer: Error Description Message
- Code: 401- Error: Unauthorized Answer: Authorization has been refused
- Code: 500 - Internal Error Server Answer: Error Description Message
- BadRequest Search parameters not sent
- ValidationError If one of the required values is not sent