

M&M fdtSERVER Product Description

M&M *fdtSERVER* enables FDT technology for your cross-platform IDM/AMS with backward compatible to legacy FDT 1.2.x and FDT 2.x DTMs.

M&M fdtSERVER encapsulates complex FDT technical details into simple Web API, which is easy to integrate into your cross-platform IDM/AMS.

Catalog Provides services for Device Catalog	^
GET /api/catalog Obtain all Device Type information in the Device Catalog.	~
PUT /api/catalog Update the Device Catalog	~
Dtm Provides operations on individual DTMs	^
POST /api/dtms/{nodeId}/dtm-command/{functionId} Executes the specified Command Function of the specified DTh	l V
GET /api/dtns/{nodeId}/dtn-functions Gets a list of Functions supported by the specified DTM.	\sim
GET /api/dtms/{nodeId}/offline-data-info Gets a list of Offline Data Information supported by the specified DTM.	\sim
GET /api/dtns/{nodeId}/online-data-info Gets a list of Online Data Information supported by the specified DTM.	\sim
GET /api/dtms/{nodeId}/dtm-ui/{functionId} Opens the specified DTM User Interface for the specified DTM.	\sim
OET /api/dtns/{nodeId}/offline-data Reads the value of the specified Offline Data from the specified DTM.	\sim
POST /api/dtms/{nodeId}/offline-data Whites the value of the specified Offline Data to the specified DTM.	~

Through the Web API, you can get the Device Catalog and synchronize the device topology from DCS to your IDM/AMS via a JSON file.

M&M Idiserver Den				
Fd1128	Update Catalog	Force Update Catalog		
✓ F0T3 Comm	Category	Device Tape Nome	Vender Name	Pd wesing
FDT3 Device	conger) occorrige many	or and the many		
✓ F0T2 Comm	Communication0TM	hars0066600TM	M&M Software GribH	1.2.1.0
FDT2 Device	DeviceDTM	INVERTICEDTM	MAM Software Solder	12.0.0
V FOT1 Comm	Deviception	THE REPORT OF A	MAR SULMAT COURT	1.2.8.0
HARTDEV	Communication0TM	hert00MM0TM F0T 2	M&M Software OnbH	2.0.0.0

You can also get detailed information about each DTM node.

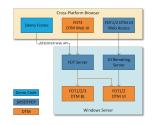
As well as the Online Parameters and Offline Parameters of a FDT 2.x/FDT 3.0 DTM.

Device Typ Name:	hartDEVICEDTM	Version:	1.2.0.341	Online Parameters
Manufacture:	M&M Software GmbH 2015-08-13	Category:	DeviceDTM	Device Tag TAG
DTM Info				Main Value -4.66
	hartDEVICEDTM M&M Software GmbH	DTM Version EDT Version:		
Name:	main sortware official	PD1 version.	1.2.0.0	Status 1
				False
Node Info				
ChannelLabel	:HART Channel			Status 2
BusAddress:	0			True

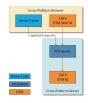
You can even manipulate a FDT 1.2.x/FDT 2.x DTM UI remotely on a Web page, just like the FDT3 DTM Web UI. It enables your cross-platform IDM/AMS take advantage of the tens of millions of DTMs already deployed in critical production plants and facilities around the globe.

English * * © Menu Page 1 Page 1 Page 2 Page 3 Readonly Page	Parameters Main Value Status 1 Status 2 Status 3	Q	-6.879998	Us.	
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To work with the legacy DTMs, the M&M fdtSERVER and all DTMs shall be deployed on a Windows computer, while your IDM/AMS could be cross-platform.



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A workable Demo Frame will be provided with source code to demonstrate how to access the fdtSERVER Web API. A tutorial document and the API documentation (in Open API format) will be provided as well.

Following table shows the difference between FDT UE (FDT 3.0) Frame components:

Traits	Desktop Common Component	M&M fdtSERVER	Server Common Component
Supported FDT Version	FDT 1.2.x, FDT 2.x, FDT 3.0	FDT 1.2.x, FDT 2.x, FDT 3.0	FDT 3.0
Supported Platform	Windows	Windows Linux for Cross-Platform Edition	Windows, Linux
Architecture	Desktop Application	B/S	C/S
API	.NET Framework	Web API	.NET Standard
OPC UA Server	Not Supported	Not Supported	Integrated
Source Code	Available with sourcecode license	Available for Cross-Platform Edition	Available