

How to access local tags on a Rockwell processor with the Gateway acting as a client

Here's an image of a 1756 processor list of Controller and Local tags as viewed from the RSLinx Data Monitor. In this example, there are 3 groups of tags that are all named the same.

One set is in the Controller tags, one set is in the tag group local to MainProgram, and the last set is in the tag group local to the Task2 program.

The cursor is highlighting the DINT1 tag local to the Task2 program, and you can see the data monitor is showing the path as the selection.

Tag Name	Value	Radix	Type	Access Rights
BOOL1	1	Decimal	BOOL	Read/Write
BOOL2	0	Decimal	BOOL	Read/Write
BOOL3	1	Decimal	BOOL	Read/Write
DINT1	111	Decimal	DINT	Read/Write
DINT2	222	Decimal	DINT	Read/Write
DINT3	333	Decimal	DINT	Read/Write
FLOAT1	1.1	Float	REAL	Read/Write
FLOAT2	2.2	Float	REAL	Read/Write
FLOAT3	3.3	Float	REAL	Read/Write
Local:2:C				Read/Write
Local:2:I				Read/Write
Program:MainProgram				
-BOOL1	0	Decimal	BOOL	Read/Write
-BOOL2	1	Decimal	BOOL	Read/Write
-BOOL3	0	Decimal	BOOL	Read/Write
-DINT1	444	Decimal	DINT	Read/Write
-DINT2	555	Decimal	DINT	Read/Write
-DINT3	666	Decimal	DINT	Read/Write
-FLOAT1	4.4	Float	REAL	Read/Write
-FLOAT2	5.5	Float	REAL	Read/Write
-FLOAT3	6.6	Float	REAL	Read/Write
Program:Task2				
-BOOL1	1	Decimal	BOOL	Read/Write
-BOOL2	1	Decimal	BOOL	Read/Write
-BOOL3	1	Decimal	BOOL	Read/Write
-DINT1	777	Decimal	DINT	Read/Write
-DINT2	888	Decimal	DINT	Read/Write
-DINT3	999	Decimal	DINT	Read/Write
-FLOAT1	7.7	Float	REAL	Read/Write
-FLOAT2	8.8	Float	REAL	Read/Write
-FLOAT3	9.9	Float	REAL	Read/Write

Status: Active Selection: Program:Task2.DINT1

For this 1756 processor, to access data in the Controller tag, you simply set the address as DINT1, but for this particular local tag, you need to address the path and the tag, so the RSLinx Data Monitor shows you how to do that: **Task2.DINT1**.

Data Type: ▼

Address: ★