DGI Adapter Specification Test Results

Performed on July 12, 2013

Tester:
Michael Catanzaro

Commit:
50aecf6e320379c625161bc44db6dcb541d2f69c

Test Prefix	Description	Expected Result	Result
BadXml1	Attempt to use an adapter of invalid type	Unregistered adapter type: golbat	PASS
BadXml2	Attempt to use an adapter that has no state tag	Failed to create adapter: No such node (state)	PASS
BadXml3	Attempt to use an adapter that has no command tag	Failed to create adapter: No such node (command)	PASS
BadXml4	Attempt to use an adapter with nonconsecutive state table indices	The state indices are not consecutive.	PASS
BadXml5	Attempt to use an adapter with nonconsecutive command table indices	The command indices are not consecutive.	PASS
BadXml6	Attempt to use an adapter with two devices of the same name and type in the state table	The device signal (SST1,gateway) is already registered as state information.	PASS
BadXml7	Attempt to use an adapter with two devices of the same name and type in the command table	The device signal (SST1,gateway) is already registered as command information.	PASS
BadXml8	Attempt to use an adapter with two devices of the same name and different type in the state table	Failed to create adapter: Multiple devices share the name: SST1	PASS

Test Prefix	Description	Expected Result	Result
BadXml9	Attempt to use an adapter with two devices of the same name and different type in the command table	Failed to create adapter: Multiple devices share the name: SST1	PASS
BadXml10	Attempt to use an adapter with a device with no signals in the state table	Failed to create adapter: No such node (signal)	PASS
BadXml11	Attempt to use an adapter with a device with no signals in the state table	Failed to create adapter: No such node (signal)	PASS
BadXml12	Attempt to use an adapter with a device with an un-recognized signal	Failed to create adapter: The Sst device, SST1, does not recognize the signal: generation	PASS
BadXml13	Attempt to use an adapter with a device of unrecognized type	Unrecognized device type: Golbat	PASS
BadXml14	Attempt to use an adapter with two devices with the same index in the state table	Detected duplicate state index 1	PASS
BadXml15	Attempt to use an adapter with two devices with the same index in the command table	Detected duplicate command index 1	PASS
BadXml16	Attempt to use an adapter with an unclosed XML tag	unexpected end of data	PASS
BadXml17	Attempt to use an adapter with an incorrectly-specified host tag	resolve: Host not found (authoritative)	PASS
BadXml18	Attempt to use an adapter with an incorrectly-specified port tag	Failed to connect to localhost:40001 because: Connection refused	FAIL[1]
BadXml19	Removed		PASS

---

[1]Inconsistently segfaults

Test Prefix	Description	Expected Result	Result
BadXml20	Attempt to use an adapter with one SST in the state table (but not in the command table)	Failed to create adapter: The device SST1 is missing at least one command.	PASS
BadXml21	Attempt to use an adapter with one SST in the command table (but not in the state table)	Failed to create adapter: The device SST1 is missing at least one state.	PASS
BadXml22	Attempt to use an adapter with two state tables	XML contains multiple state tags	PASS
BadXml23	Attempt to use an adapter with two command tables	XML contains multiple command tags	PASS
BadXml24	Attempt to use an adapter that contains a device with two types	Invalid entry at state index = 1: too many subtags	PASS
BadXml25	Attempt to use two adapters with the same name	Multiple adapters share the name: HappyTestAdapter	PASS
BadXml26	Attempt to use two adapters with the same device name in each adapter	The device SST1 already exists.	PASS
BadXml27	Attempt to use two adapters with the same host and port		FAIL[2]
SingleDgi1	Use an adapter with one SST	SST Gateway (01): 111.11	
SingleDgi2	Use an adapter with one SST and one DESD	Net DESD (01): 1111.11, SST Gateway (01): 111.11	PASS
SingleDgi3	Use an adapter with one SST and another adapter with one DESD	Net DESD (01): 1111.11, SST Gateway (01): 111.11	PASS

---

[2]Segmentation fault

Test Prefix	Description	Expected Result	Result
MultipleDgi1	Five DGI each have an SST. Ensure that normal is computed correctly.	Normal: 30.00	FAIL[3]
MultipleDgi2	Five DGI each have some number of SSTs. Ensure that normal is computed correctly.	Normal: 30.00	FAIL[4]
MultipleDgi3	Five DGI each have an SST but two have active FIDs. Ensure that normal is computed correctly among the non-isolated DGI.	Normal: 30.00	FAIL[5]

---

[3]Inconsistently segfaults

[4]Inconsistently segfaults

[5]FID device is missing at least one command