

Qdy – Discussion about modeling of RSTP / MSTP YANG

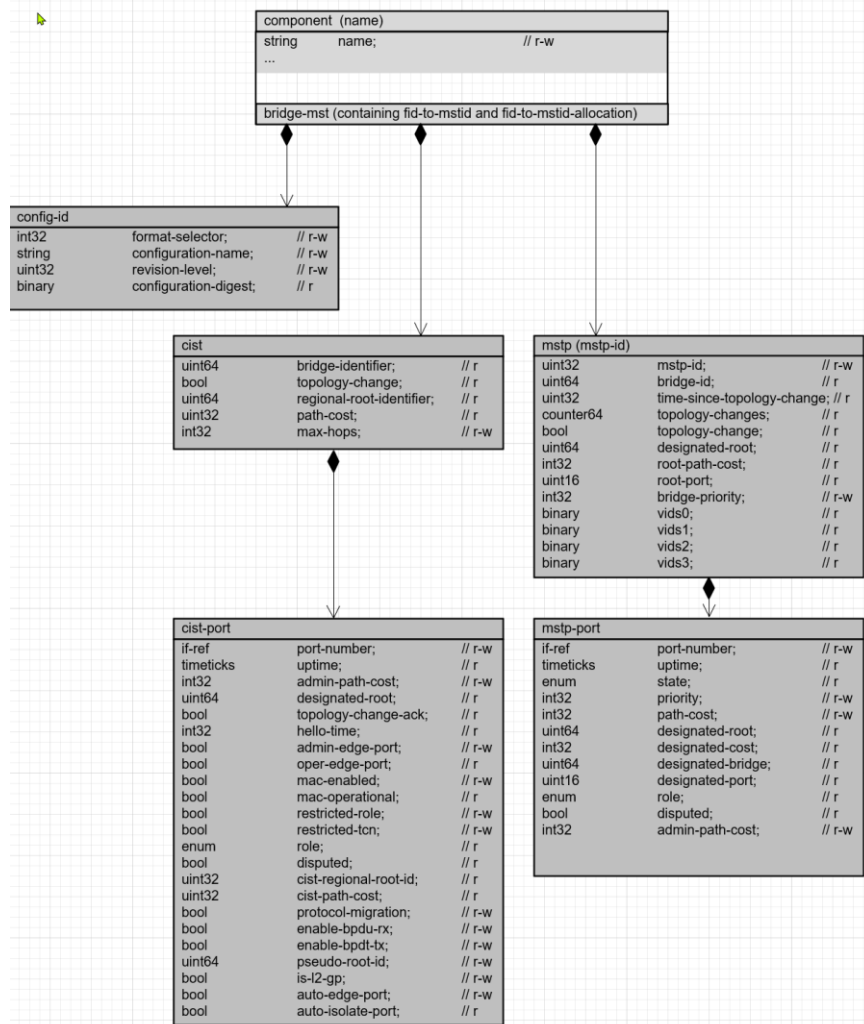
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UML-like diagram for RSTP – augmentation of bridge component and bridge-port

component (name)		
string	name;	// r-w
...		
rstp		
enum	protocol-specification;	// r
int32	priority;	// r-w
timeticks	time-since-topology-change;	// r
uint64	designated-root;	// r
int32	root-cost;	// r
uint16	root-port;	// r
uint32	max-age;	// r
uint32	hello-time;	// r
int32	hold-time;	// r
uint32	forward-delay;	// r
uint32	bridge-max-age;	// r-w
uint32	bridge-hello-time;	// r-w
uint32	bridge-forward-delay;	// r-w
enum	version;	// r-w
int32	rstp-tx-hold-count;	// r-w

bridge-port		
leafref	bridge-name;	// r-w
leafref	component-name;	// r-w
...		
rstp		
int32	priority;	// r-w
enum	state;	// r
bool	enabled;	// r-w
int32	path-cost;	// r-w
uint32	designated-root;	// r
int32	designated-cost;	// r
uint32	designated-bridge;	// r
binary	designated-port;	// r
counter64	forward-transitions;	// r
bool	protocol-migration;	// r-w
bool	admin-edge-port;	// r-w
bool	oper-edge-port;	// r
int32	admin-path-cost;	// r-w
bool	auto-edge-port;	// r-w
bool	auto-isolate-port;	// r
bool	isolate-port;	// r

UML-like diagram for MSTP – augmentation of bridge-component and leafref to bridge-port



- This structure is similar to Josef's proposal in <https://www.ieee802.org/1/files/public/docs2023/new-dorr-mstp-YANG-0523-v01.pdf>

- Is this the desired structure?

Thank You

Questions?