

Class	Functionality
I	data diode
II	guard only (non-transformational)
III	sanitiser (transformational)
A	one-way
B	bidirectional
$\alpha$	1:1
$\beta$	1:many

Table 1: Classification of cross domain systems.

File 20120313.2015: In the water heater example of a cross domain system, mention the addition of entropy from the high side to the low side as an aside only. I do not want to get bogged down in an argument about thermodynamics or information theory.<sup>1</sup>

Types of cross domain systems: Look to see if anyone else has ever done this. Examples: 1A is a data diode. RM is a II–IIIB

## References

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<sup>1</sup>As an aside, note that the sanitisation function of a cross domain system removes information from the message stream, corresponding to an increase in Shannon entropy and addition of heat (thermodynamic entropy).

This is a correctly placed footnote, after the full stop at the end of a sentence.