# Bundle Inventory

Scott Burleigh

18 January 2016

# Last remaining Bpbis technical issue (I think)

- Does the Bundle need to carry some sort of list of all blocks it included at the time it was created by the source node?

- If so, what does that list look like?

# Bundle "inventory" as described in bpbis-00

- Inventory is an optional field in the Primary block, comprising two fields:
    - Inventory length (number of block types in the inventory list) is an SDNV.
    - Inventory list is an array of 8-bit block types.
- "Inventory: The Primary block may contain an accounting of all blocks that were in the bundle at the time it was transmitted from the source node.  This accounting comprises an inventory list length (an SDNV) followed by an inventory list (an array of N octets, where N is the value of the inventory list length).  This feature is optional: if the inventory is to be omitted, the inventory length must be set to zero.  Otherwise the values of the octets in the inventory list must be the block types of all of the non-primary blocks in the bundle as originally transmitted, exactly one list element per block.  Since a bundle may contain multiple instances of a given block type, multiple elements of the inventory list may have the same value.  The order of block types appearing in the inventory list is undefined."