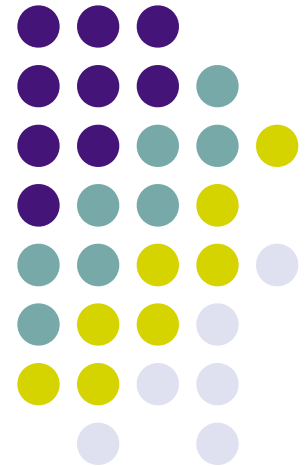


BMP BGP Monitoring Protocol

~~Russ White~~ Bill Fenner
GROW WG
IETF 64





What is BMP?

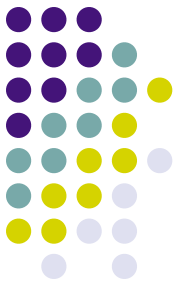
- Simple mechanism to encapsulate received BGP segments & BGP events
- Encodes:
 - Received BGP segment
 - Timestamp
 - Speaker information
- Signal defined for lost packets on transmitter side



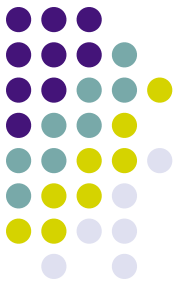
BMP Update Types

- Incremental Updates - BGP PDUs as received from peers
- Peer up/down notifications, including BGP Notification codes/subcodes
- Table Dump, if requested by monitor
 - Adj-RIB-In if possible
 - Loc-RIB if that's all you have

BMP



- Does not attempt to define data storage mechanisms (see, e.g., MRT for that)
- Receiver is simple
 - TCP speaker
 - Passes unwrapped BGP messages to local BGP or other processing and storage
- Driven by
 - Department of Homeland Defense Requests
 - Researcher Requests



BMP Next Steps

- Planned Next Steps:
 - Make this into a WG Doc
 - Edit/final call
 - Get implementation commitments
 - Publish