

Contact Plan for Time-Variant Routing

draft-blanchet-tvr-contactplan -01

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Update

- -00 was about a contact plan JSON format for both IP and BP
- -01:
 - Two new co-authors: Yingzhen Qu, Leigh Torgerson
 - Is now a YANG model augmentation of the tvr schedule YANG model (draft-qu-tvr-schedule-yang) on the Bundle protocol YANG model (draft-blanchet-dtn-bp-YANG-model), presented at DTN wg meeting.
 - And adding some (one for now) properties used by Bundle protocol stacks: planned delay for that contact

Augmentation

```
augment "/bundle:node/bundle:neighbors/bundle:neighbor" {
  container contact-schedule {
    description
      "Augment Bundle node neighbor with a contact schedule.";
    uses tvr-schedule:schedule;
    leaf bandwidth {
      type yang:gauge64;
      units "bits/second";
      description
        "An estimate of the convergence layer current bandwidth in bits
        per second";
    }
  }
  description
    "Augment the neighbor with a contact schedule.";
}
```

Considerations

- Augmentation applied to the convergence-layer adapter or the neighbour?
- Should we add all properties in use in BP stacks (bandwidth, probability)?

Next Steps

- WG Adoption?
- Specification: [draft-blanchet-tvr-contactplan](#)
- Looking for more comments
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