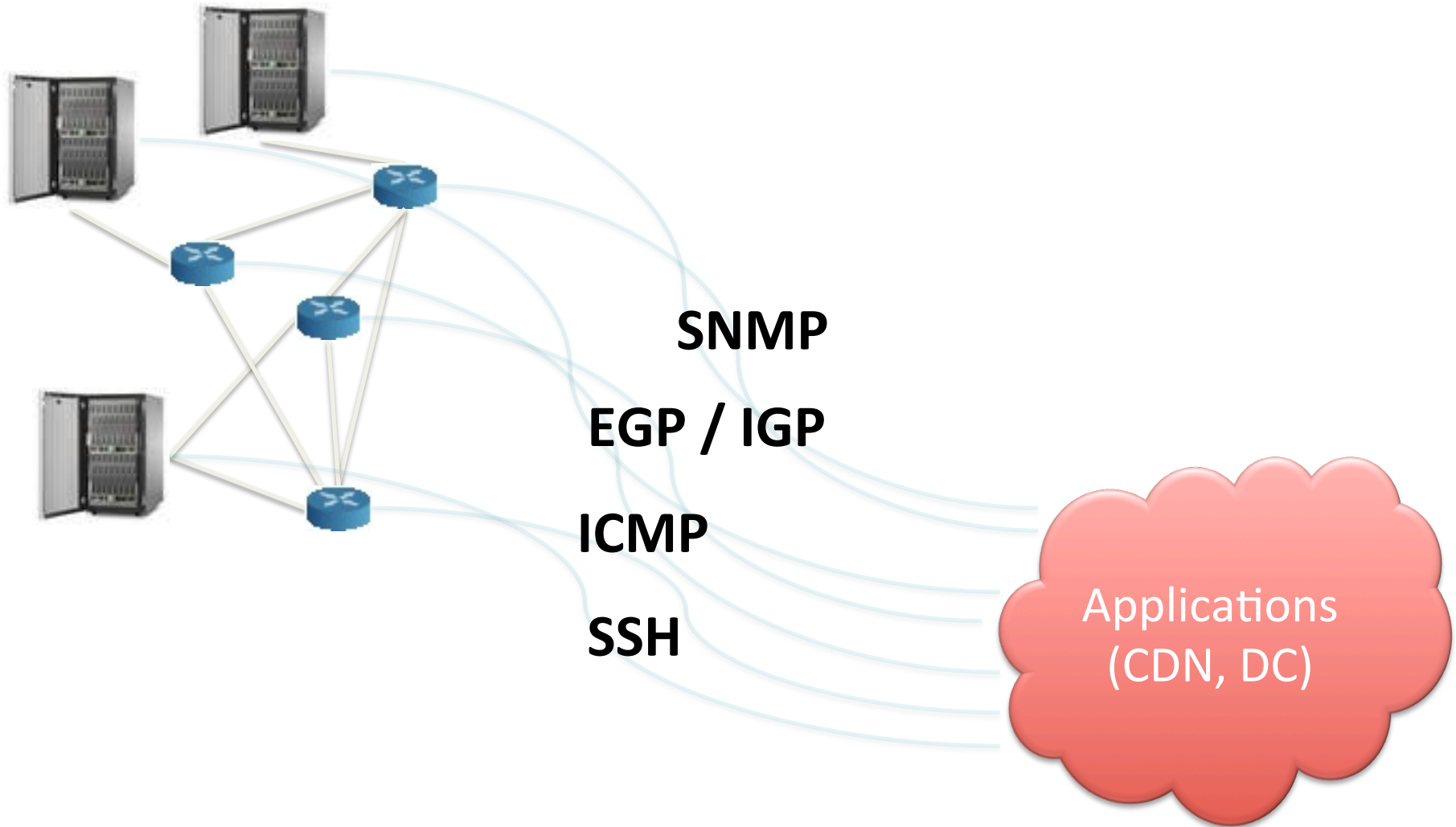
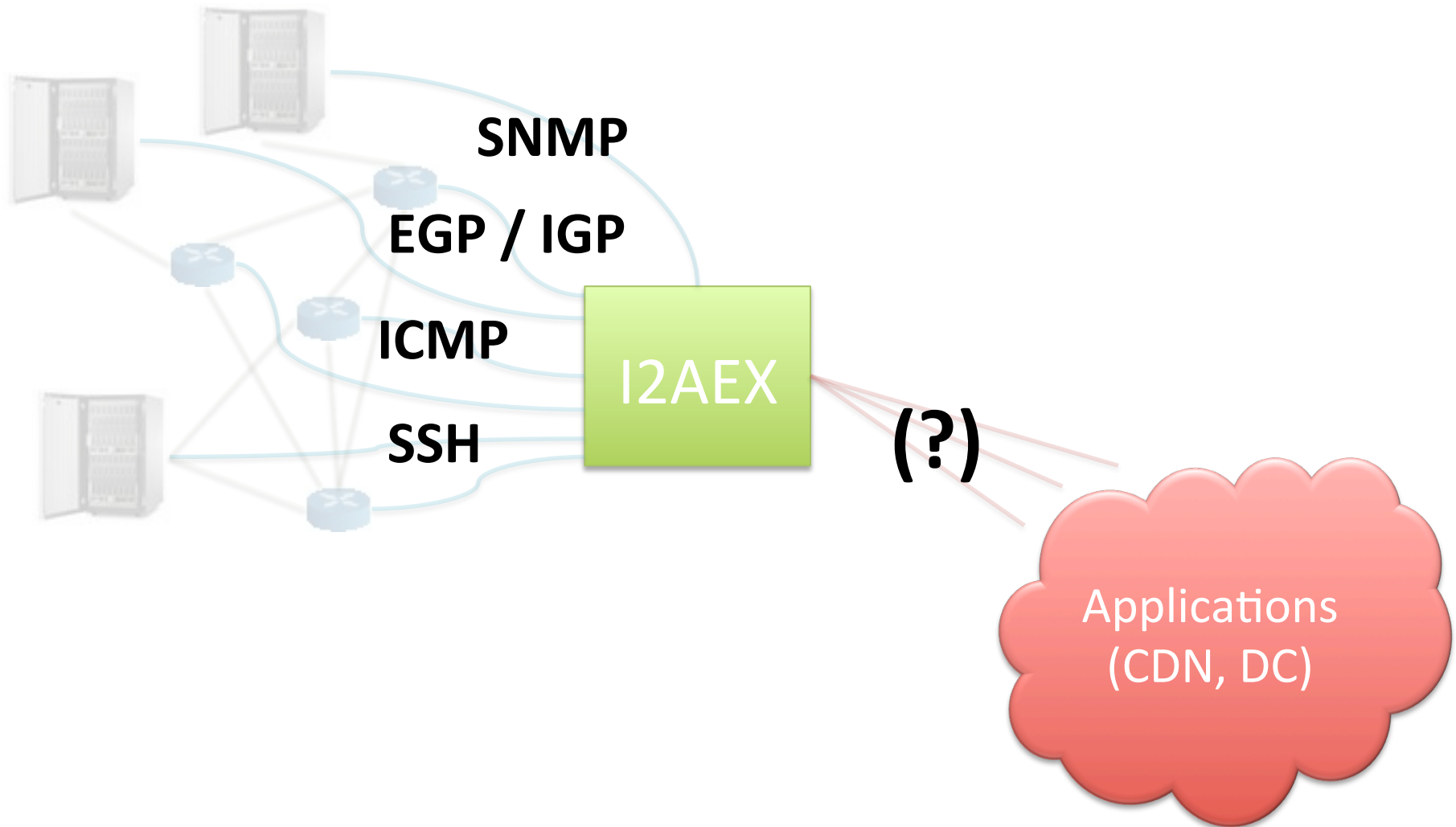


i2aex BoF Follow-up

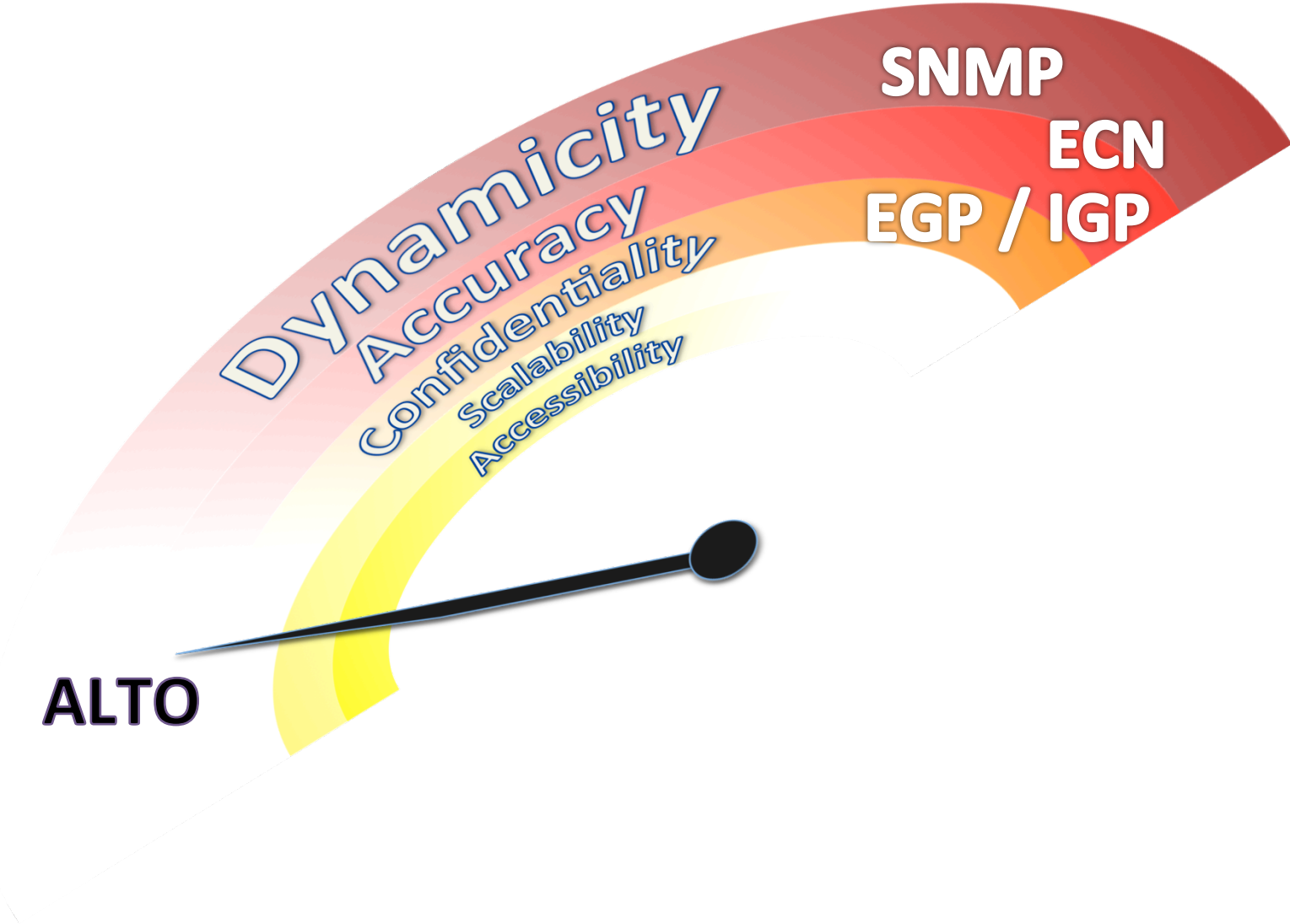
Today



Goal



Starting Point



ALTO i2aex Extensions

- New information types
 - Network load
 - Resource availability
 - ...
- Server-to-client notifications
- Incremental updates


Incremental updates

- draft-pbryan-json-patch (APPSAWG item)

ALTO Information

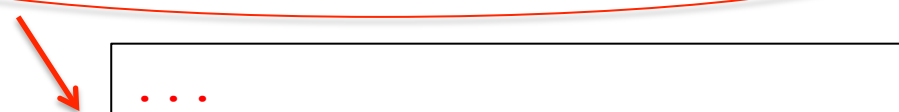
```
{
  "resources": [
    {
      "capabilities": {
        "cost-modes": [
          "numerical"
        ],
        "cost-types": [
          "routingcost"
        ]
      },
      "media-types": [
        "application/alto-costmap+json"
      ],
      "uri": "http://alto.ietf.org/costmap/num/routingcost"
    },
    ...
  ],
  ...
}
```

```
{
  "meta" : {},
  "data" : {
    "cost-mode" : "numerical",
    "cost-type" : "routingcost",
    "map-vtag" : "1266506139",
    "map" : {
      "mypid1": { "mypid1" : "0",
                  "peerpid2" : "10",
                  "pid3" : "20"},
      ...
    }
  }
}
```



New Information Types

```
...  
  "media-types": [  
    "application/alto-costmap+json",  
  ],  
  "uri": "http://alto.ietf.org/costmap/num/routingcost"  
},  
{  
  "media-types" : [  
    "application/alto-serverload+json"  
  ],  
  "uri" : "http://alto.tilab.com/serverload"  
},  
...
```



```
...  
  "server1": {  
    "lastmin" : "0.7",  
    "last5min" : "0.3",  
    "last15min" : "0.2"  
  },  
...  
}
```


Server-to-client Notifications

- HTTP polling?
- Websockets?
- ALTO-over-XYZP?

```
"media-types": [  
    "application/alto-costmap+json"  
],  
"uri": [  
    "http://alto.ietf.org/costmap/num/routingcost",  
    "xyzp://alto.ietf.org/costmap/num/routingcost"  
],
```

...

Next Steps

- Make yourself known if interested
- Write down concrete proposals
 - Discussion in i2aex
- Comment on other concrete proposals

And possibly...

- Rechartering?
- New WG?