

YANG model for LISP updates

draft-ietf-lisp-yang-03

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ietf-lisp-yang-03

- ietf-lisp
 - Core model, covers configuration and operational
 - List of lisp-roles
 - Common grouping definitions for mappings, locators, etc.
- ietf-lisp-address-types
 - Covers all lisp address types including LCAF
- lisp-itr, lisp-etr, lisp-mapserver, lisp-mapresolver, lisp-petr, lisp-pitr
 - Augmenting the lisp-role list in ietf-lisp.yang
 - Device role-specific configuration and operational

lisp-address-types.yang

```
typedef simple-address {  
  type union {  
    type inet:ip-address;  
    type inet:ip-prefix;  
    type yang:mac-address;  
    type distinguished-name-type;  
    type inet:as-number;  
  }  
}
```

```
grouping lisp-address {  
  leaf address-type { type:identity-ref}  
  leaf virtual-network-id  
  choice address {  
    leaf ipv4  
    leaf ipv4-prefix  
    leaf mac  
    container explicit-loc-path {  
      list hop {  
        leaf address { type: simple-address}  
      }  
    }  
  }  
  ... }  
}
```

Lisp-mapresolver.yang

```
augment "/lisp:lisp/lisp:lisp-router-instances" +"/lisp:lisp-router-instance/  
lisp:lisp-role" {  
    when "lisp:lisp-role-type = 'lisp-mr:mr'"  
  
    container map-resolver-cfg {  
        leaf mapping-system-type { type lisp:mapping-system-ref; }  
        leaf ms-address {  
            type inet:ip-address;  
        }  
    }  
    }  
}
```

DDT: ietf-lisp-ddt.yang

```
identity ddt { base lisp:mapping-system; }
augment "/lisp:lisp/lisp:lisp-router-instances/lisp:lisp-router-instance/lisp:lisp-
role/lisp-mr:map-resolver-cfg" {
    when "/lisp-mr:map-resolver-cfg/lisp-mr:mapping-system-type = 'lisp-ddt:ddt'"

    container ddt-mapping-system {
        presence "DDT Mapping System in use";
        leaf-list ddt-root {
            type inet:ip-address;
        }
    }
}
}
```

Question to WG

- Draft name change to cover both configuration and operational models
 - Currently draft is called “LISP Configuration YANG Model”
 - Proposing change to: “YANG Data Models for LISP”