

All user/pw pair is lab/sanogLab.

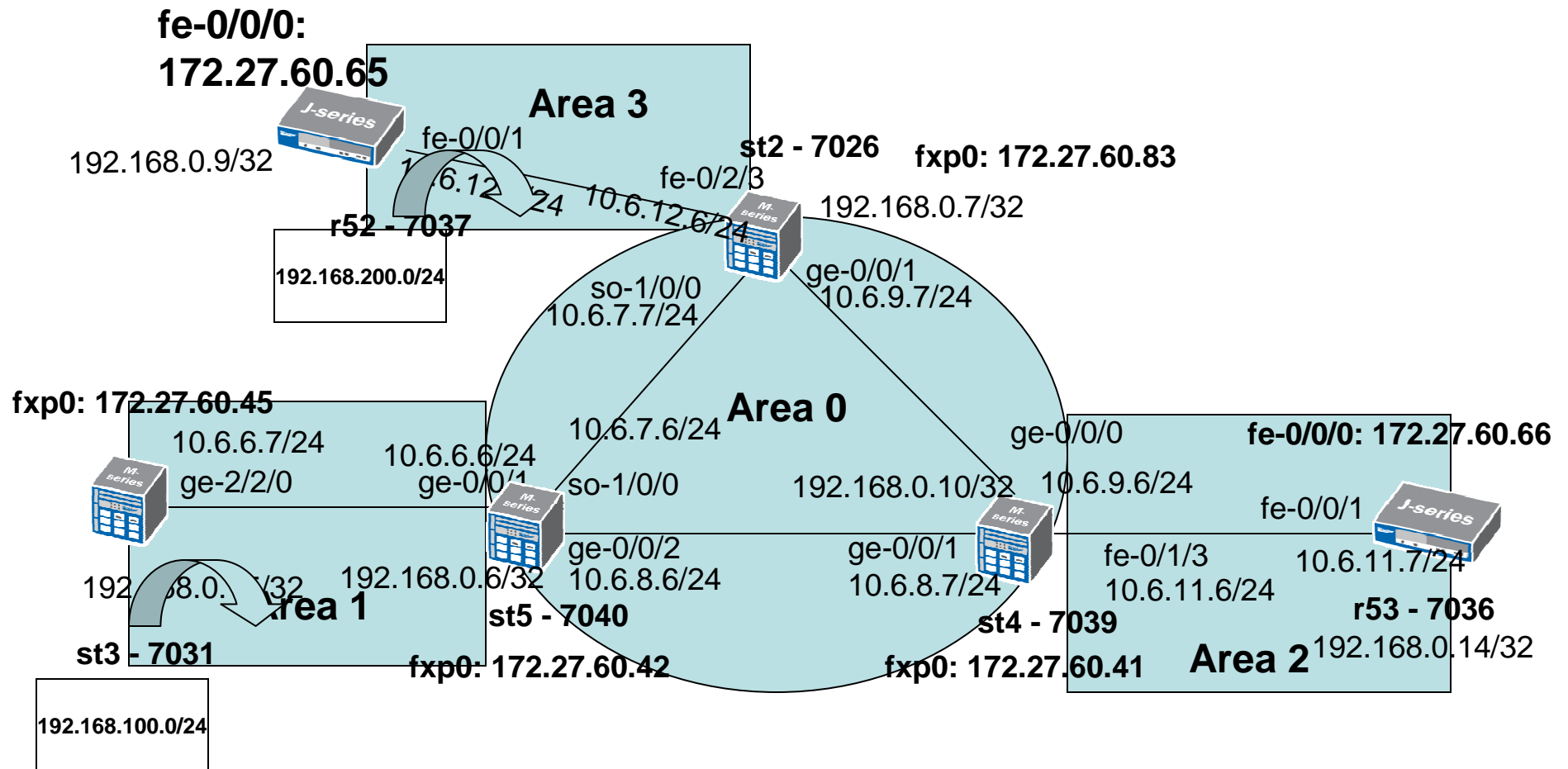
To access via fxps, please use the IP 172.27.60.xx after logging in to the r52 platform.

OSPF configuration on St5

```
interfaces {
  so-1/0/0 {
    unit 0 {
      family inet {
        address 10.6.7.6/24;
      }
    }
  }
}
ge-0/0/2 {
  unit 0 {
    family inet {
      address 10.6.8.6/24;
    }
  }
}
ge-0/0/1 {
  unit 0 {
    family inet {
      address 10.6.6.6/24;
    }
  }
}
```

```
lo0 {
  unit 0 {
    family inet {
      address 192.168.0.6/32;
    }
  }
}
protocols {
  ospf {
    area 0.0.0.0 {
      interface so-1/0/0.0;
      interface ge-0/0/2.0;
      interface lo0.0 {
        passive;
      }
    }
    area 0.0.0.1 {
      interface ge-0/0/1.0;
    }
  }
}
```

Route Redistribution into OSPF



- Configure following Null Routes and redistribute into OSPF and check the route on all other routers

R52 – 192.168.100.0/24

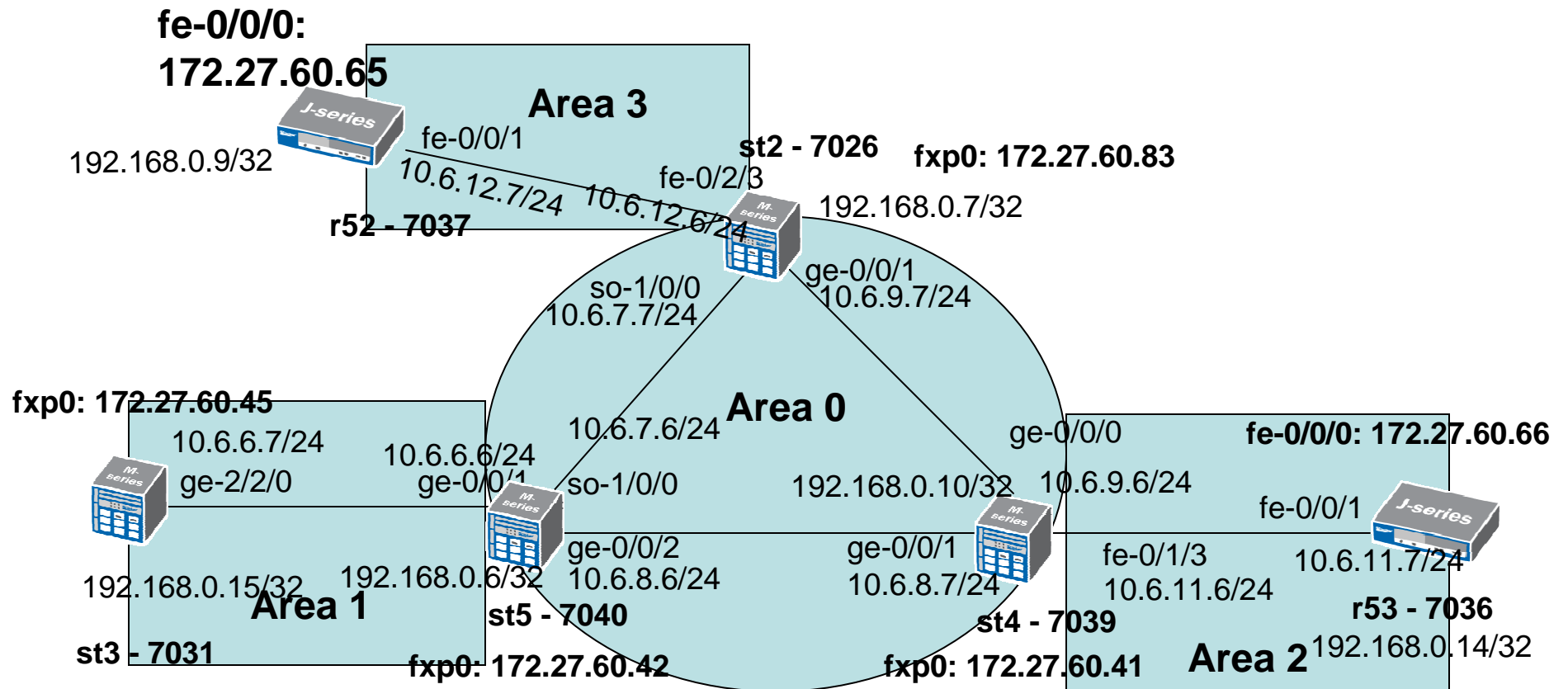
st3 – 192.168.200.0/24

Route Redistribution Sample configuration of st3

```
routing-options {  
    static {  
        route 192.168.200.0/24 reject;  
    }  
}  
protocols {  
    ospf {  
        export static-to-ospf  
        area 0.0.0.1 {  
            interface ge-2/2/0.0  
            interface lo0.0 {  
                passive;  
            }  
        }  
    }  
}  
policy-options {  
    policy-statement static-to-ospf {  
        term A {  
            from {  
                protocol static;  
                route-filter 192.168.200.0/24 exact;  
            }  
            then accept;  
        }  
    }  
}
```

Check the Redistributed Routes on other Routers ?

Stub Area



Stub Area

st5 Protocol Configuration

```
protocols {  
  ospf {  
    area 0.0.0.0 {  
      interface so-1/0//0.0;  
      interface ge-0/0/2.0;  
      interface lo0.0 {  
        passive;  
      }  
    }  
    area 0.0.0.1 {  
      stub default-metric 10;  
      interface ge-0/0/1.0;  
    }  
  }  
}
```

Verification Commands

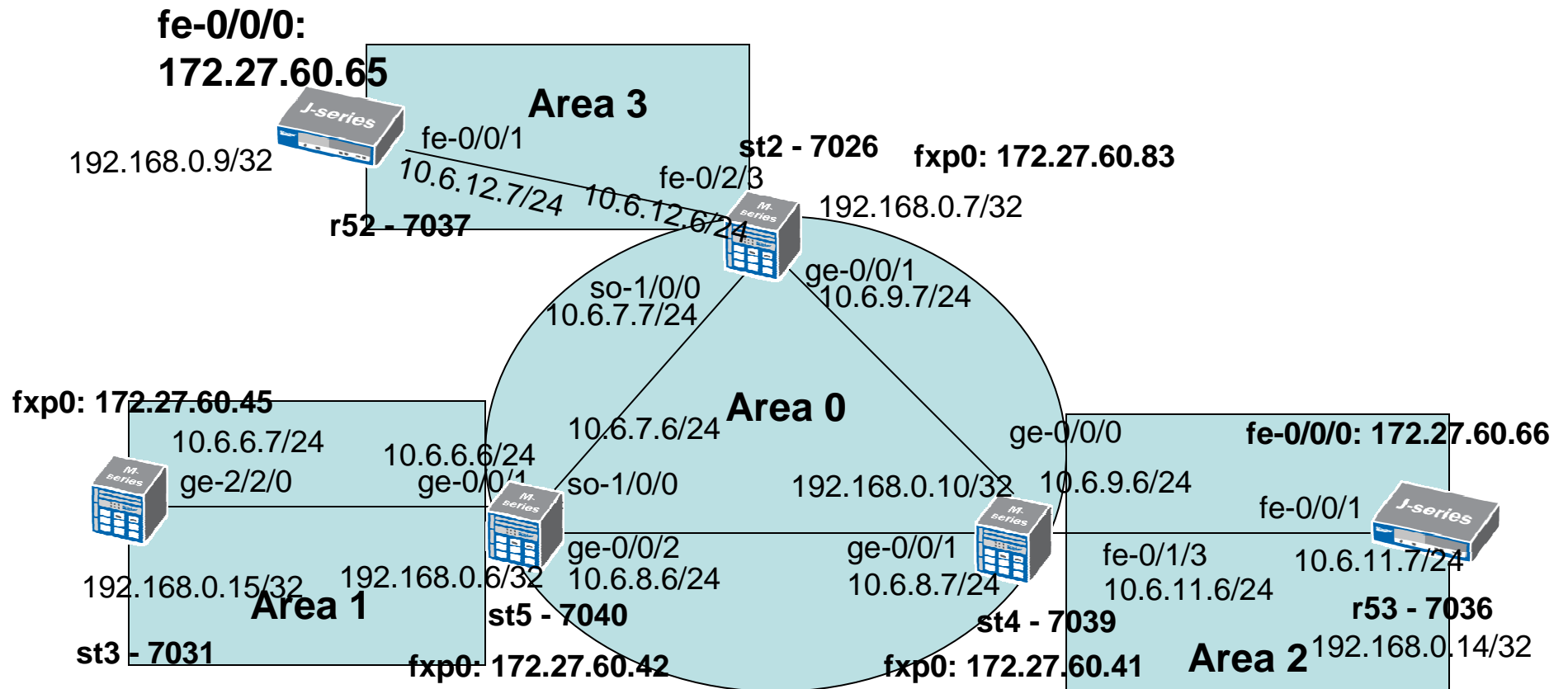
1. Show ospf database
2. Show route protocol ospf

st3 protocol configuration

```
ospf {  
  area 0.0.0.1 {  
    stub;  
    interface ge-2/2/0.0;  
  }  
}
```

Check the Redistributed Routes on other Routers ?

Totally Stubby-Area



**Totally Stub
Area**

st5 protocol configuration

```
protocols {  
  ospf {  
    area 0.0.0.0 {  
      interface so-1/0//0.0;  
      interface ge-0/0/2.0;  
      interface lo0.0 {  
        passive;  
      }  
    }  
    area 0.0.0.1 {  
      stub default-metric 10; no-summaries  
      interface ge-0/0/1.0;  
    }  
  }  
}
```

Verification Commands

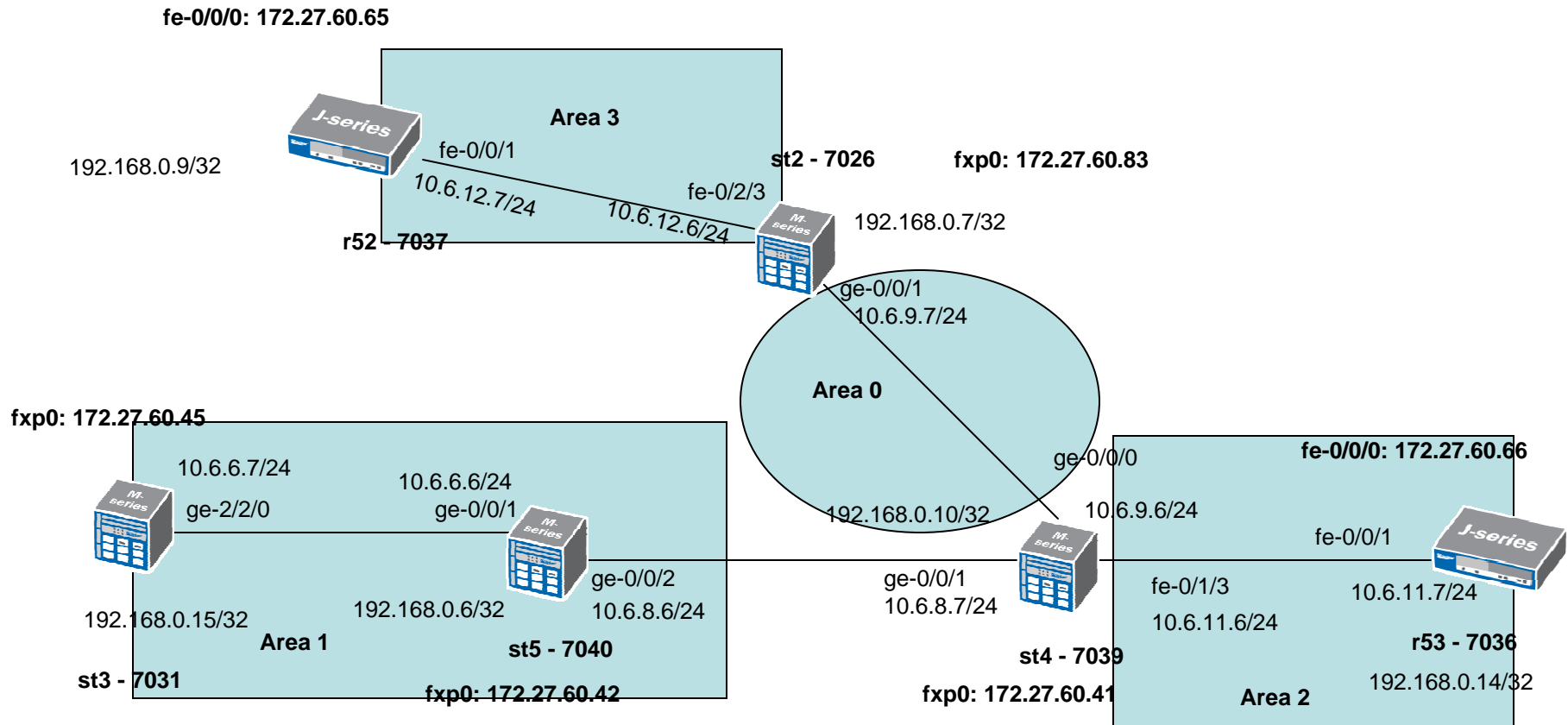
1. Show ospf database
2. Show route protocol ospf

st3 protocol configuration

```
ospf {  
  area 0.0.0.1 {  
    stub;  
    interface ge-2/2/0.0;  
  }  
}
```

Check the Redistributed Routes on other Routers ?

Not-So-Stubby Area



Not So Stub Area

st4 Protocol Configuration

```
protocols {  
  ospf {  
    area 0.0.0.0 {  
      interface ge-0/0/0.0;  
      interface lo0.0 {  
        passive;  
      }  
    }  
  }  
  area 0.0.0.2 {  
    interface fe-0/1/3.0;  
  }  
  
  area 0.0.0.1 {  
    nssa {  
      default-lsa {  
        default-metric 10;  
        type-7;  
      }  
      interface ge-0/0/1.0;  
    }  
  }  
}
```

Verification Commands

1. Show ospf database
2. Show route protocol ospf

St3/st5 protocol configuration

```
ospf {  
  area 0.0.0.1 {  
    nssa;  
    interface ge-2/2/0.0;  
  }  
}
```

Check the Redistributed Routes on other Routers ?