



Remote and Local Syslog

Redfish Forum Work In Progress
May 2020



Disclaimer

- The information in this presentation represents a snapshot of work in progress within the DMTF.
- This information is subject to change without notice. The standard specifications remain the normative reference for all information.
- For additional information, see the DMTF website.





Providing Feedback

- Feedback to the DMTF Redfish Forum is encouraged
 - Submit items using the DMTF feedback portal
 - <https://www.dmtf.org/standards/feedback>
- Questions and comments can be posted on the Redfish User Forum
 - <https://www.redfishforum.com>





High Level

- Local Syslog Configuration:
 - Provided by LogServices
- Remote Syslog Configuration:
 - Provided by EventDestination





Local Syslog Configuration

- Allows configuration of the local manager's syslog.
- Local is essentially the entity that is providing Redfish.
- Can enable/disable the facility or severity of messages that gets logged locally.





Remote Syslog Configuration

- Sending local manager's syslog messages to a remote destination.
- Can filter the messages to send to a remote destination based on facility and severity of the message.





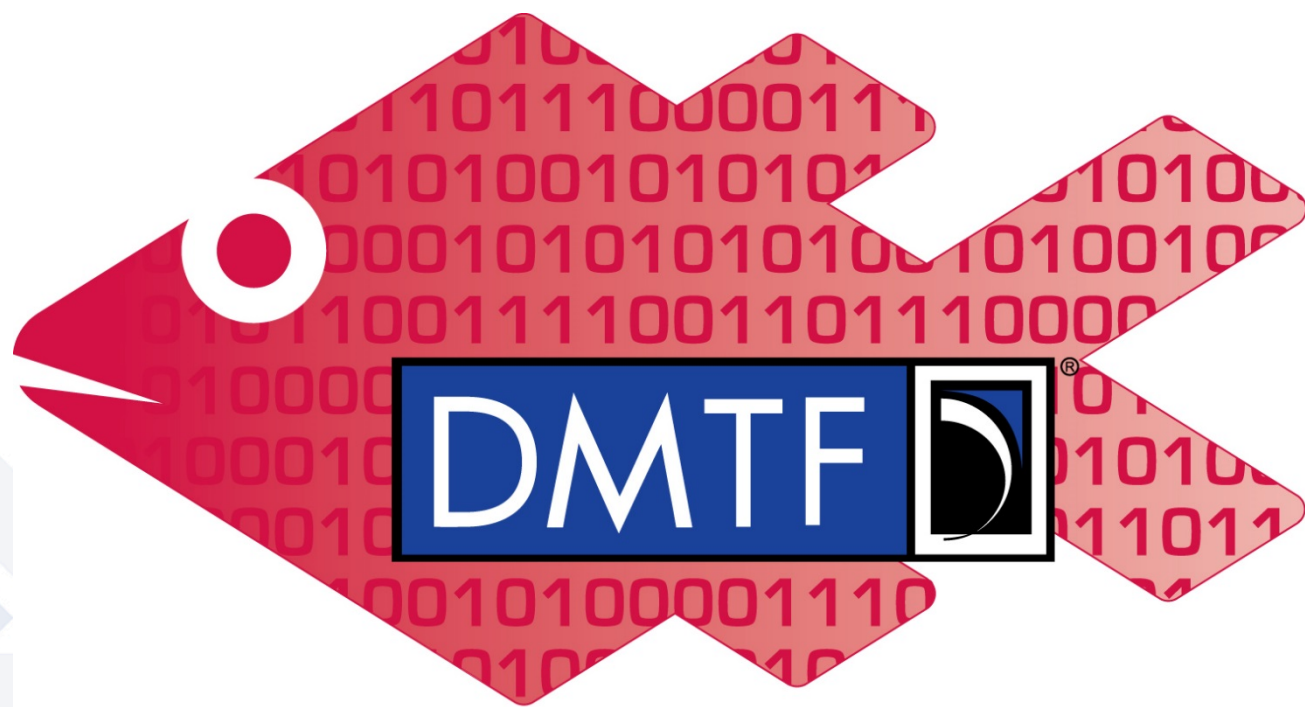
Local Syslog Mockup

```
{
  "@odata.id": "/redfish/v1/Managers/1/LogServices/syslog",
  "@odata.type": "#LogService.v1_2_0.LogService",
  "Id": "syslog",
  "Name": "Local Syslog LogService",
  "Description": "This LogService entry contains details of the local syslog.",
  "DateTime": "2015-03-13T04:14:33+06:00",
  "DateTimeLocalOffset": "+06:00",
  "ServiceEnabled": true,
  "LogServiceType": "LocalSyslog",
  "syslog" : {
    "LowestSeverity": "warning",
    "EnabledFacilities": [ "Daemon", "Kern" ],
  }
}
```



Remote Syslog Mockup

```
{
  "@odata.type": "#EventDestination.v1_9_0.EventDestination",
  "Id": "4",
  "Name": "EventSubscription for Remote syslog",
  "Destination": "syslog://123.45.10:514",
  "Context": "Syslog-Mockup",
  "Protocol": "syslogUDP", // Other Choices: syslogTLS, syslogTCP, syslogRELP
  "@odata.id": "/redfish/v1/EventService/Subscriptions/4",
  "syslog" : {
    "Facility": [ "Kern", "User" ],
    "Severity" : "warning"
  }
}
```

Redfish