

# HTTPS for SRM

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- **HTTPS to replace HTTPG**
- **Why?**
- **When and how: migration path**
- **Is there interest?**

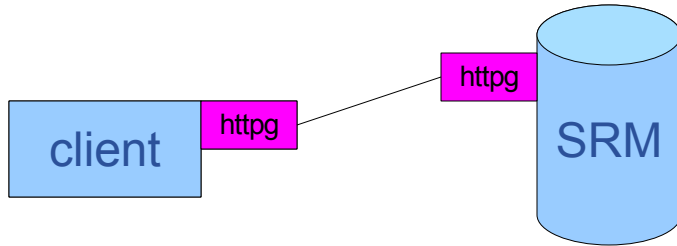
## Replacing HTTPG by HTTPS for SRM

- **Only SOAP transport layer, not data transfer!**
- **HTTPG was for SRM Copy**
- **GridSite delegation works over plain HTTPS + WS-I SOAP**
- **GT4/delegation works over HTTPS + WS-RF**

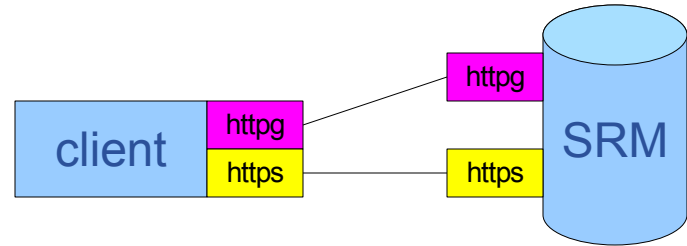
**SRM Copy can work over plain HTTPS**

- **HTTPS works out-of-the-box**
  - simplified client development
  - easier server side deployment (load balancing)
- **most of the SRM calls do not require delegation**
- **HTTPS only environments: browser/JavaScript**

## 1. HTTPG only

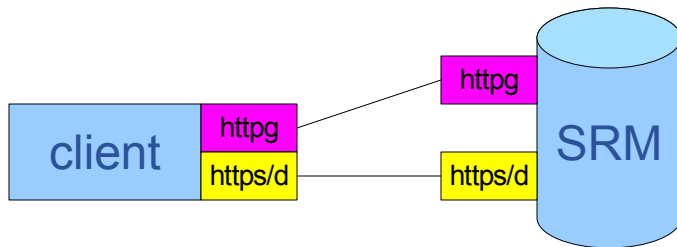


## 2. Hybrid clients



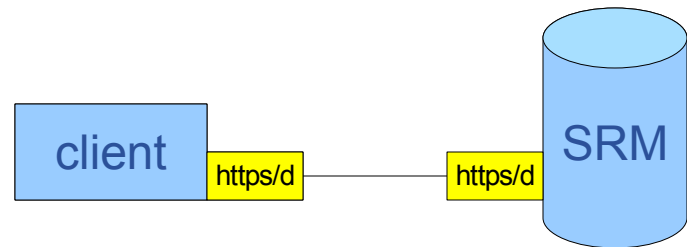
Existing SRMs enable HTTPs endpoint too.

## 3. HTTPS with delegation



New SRMs may choose to implement HTTPS only.

## 4. HTTPS only



- **Is there interest for simplified clients?**
- **Is there interest for simplified servers?**
- **Feasibility of enabling HTTPS endpoint, beside HTTPG within the lifetime of SRM v2.x?**
- **Could SRM v3.x be HTTPS only?**