Experiences with the Script MIB

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Changes to Levi's Draft:

- Make the Script MIB independent from a particular script language.
- Make the Script MIB independent of a particular execution environment. (e.g. scheduling parameters)
- Use HTTP or a similar protocol to transfer scripts.

  + Efficiency.

  - Different security mechanisms are involved.
- History of results produced by scripts run at regular intervals.
- Automatic time stamps for all script results.

A Modified Script MIB:

mlmScriptTable	**mlmScriptIndex**	mlmScriptName	mlmScriptDescr	mlmScriptStorageType	mlmScriptStatus

mlmSourceTable	**mlmSourceScript**	**mlmSourceLine**	mlmSourceCode

mlmExecutionTable	**mlmExecutionIndex**	mlmExecutionScript	mlmExecutionArgument	mlmExecutionInterval	mlmExecutionRepetitions	......
						......

......	mlmExecutionPermanence	mlmExecutionStatus
......		

mlmResultTable	**mlmResultExecution**	**mlmResultIndex**	mlmResultTimeStamp	mlmResultType	mlmResultOctetStringValue	mlmResultStatus

Problems with the Script MIB:

- How to control/grant access to resources?
- How to map user profiles to privileges in the execution environment?
- How to protect the script agent from resource consumption problems?
- How to transfer script results efficiently?
- How to verify scripts? (digital signatures?)