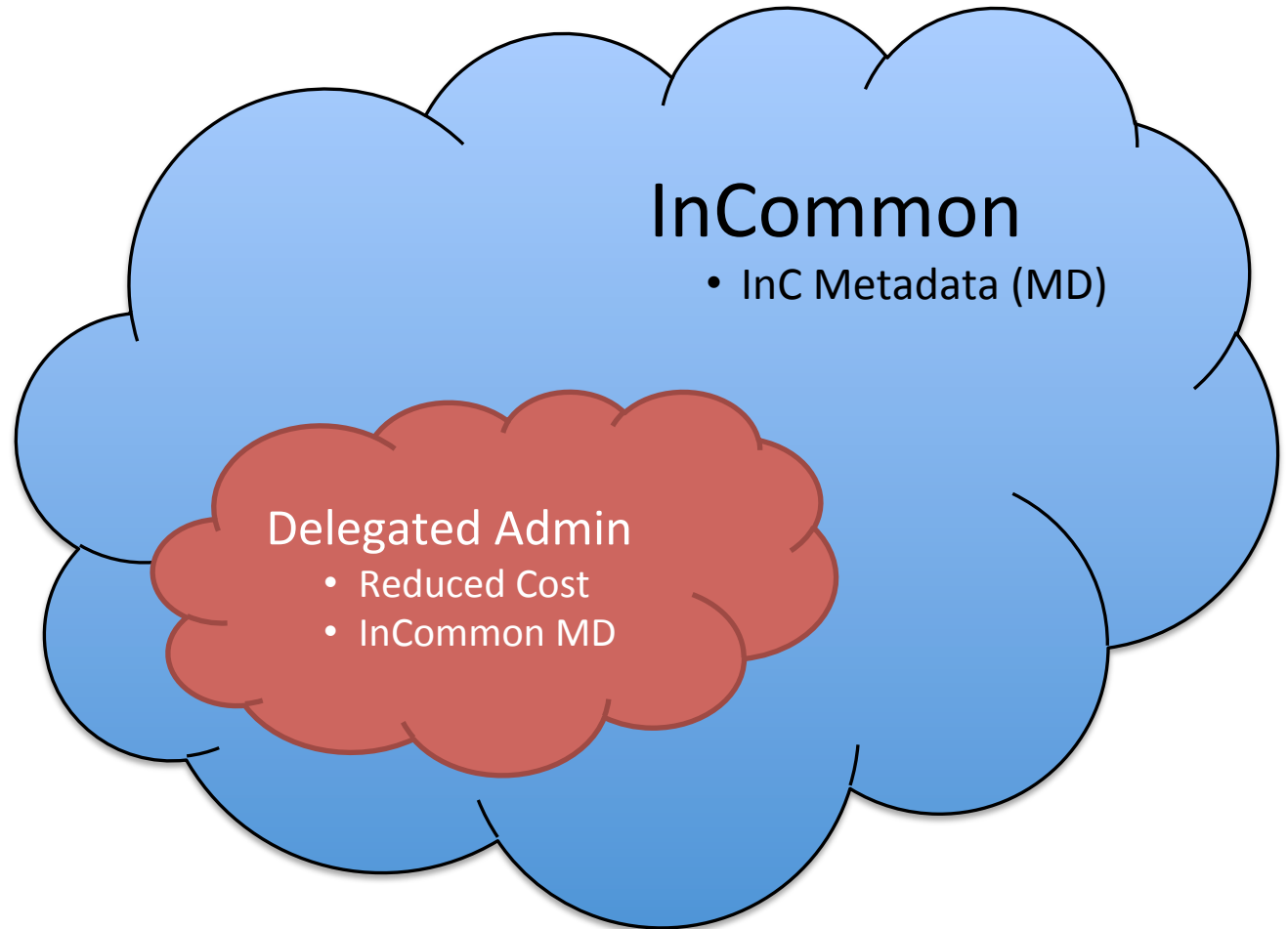


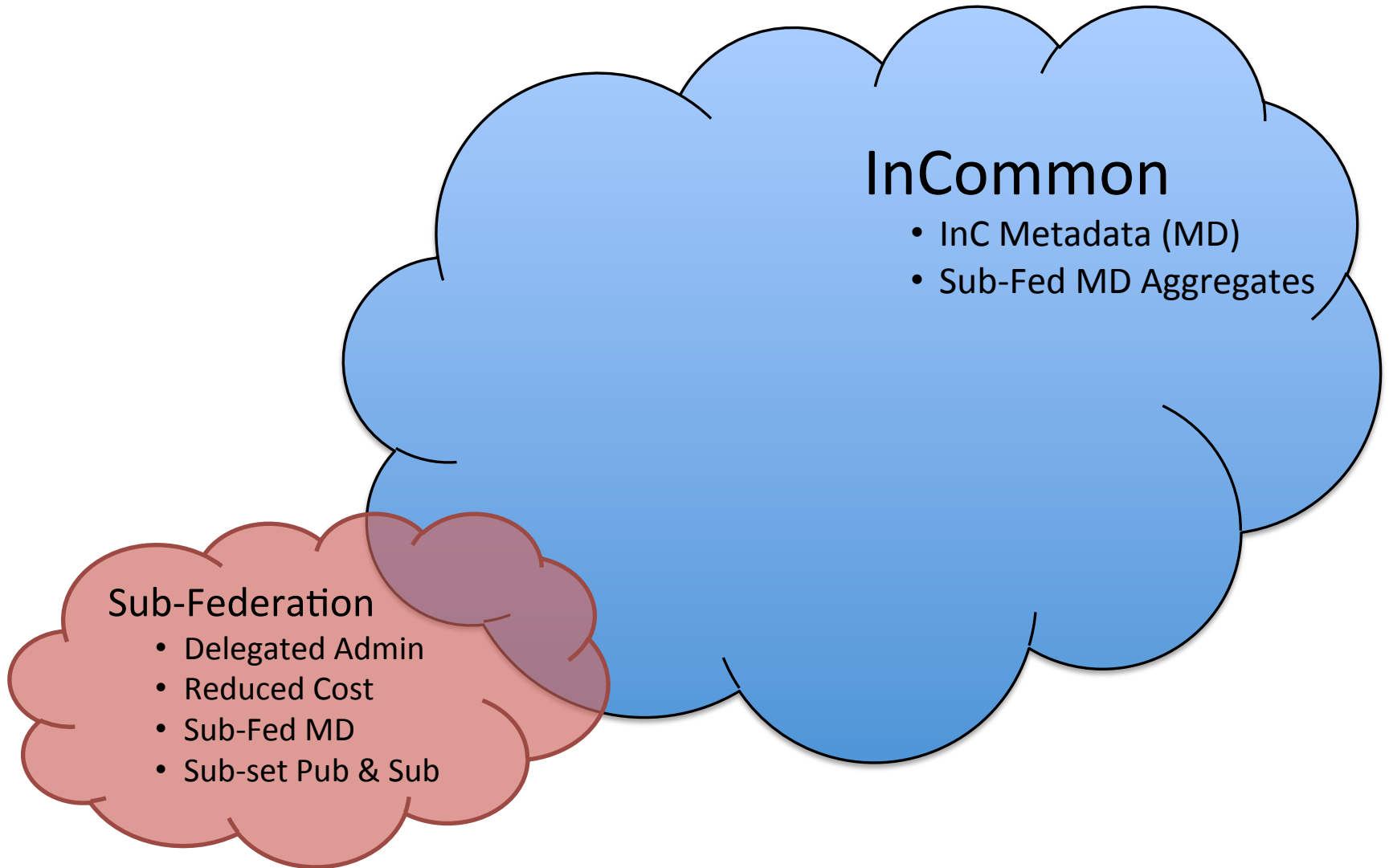
# Possible Regional/State System Federation Scenarios

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# Delegated Administration



# Sub-Federation



# Inter-Federation

## InCommon

- InC Metadata (MD)
- MD Exports
- Unique MD Aggregates

## Inter-Federation

- Regional MD
- Sub-set Pub & Sub w/ InC
- Cost?

# Options based on Scenarios

Federation Scenario	IdP Model	Description	Resource Requirements	Admin/Policy Requirements
<b>Delegated Administration</b>	Normal, <b>Mesh Model</b>	This scenario allows the Regionals/SS to assist smaller institutions with running an IdP	Sys Admin type staff with SAML product familiarity and moderate level of Java/XML programming abilities	Identify which tasks or responsibilities can be delegated to Regionals, New Business/Cost Models, Policy Issues
<b>Sub-Federation (1)</b>	Normal IdPs, but with “ <b>Sub-Fed MD Aggregates</b> ” generated by InCommon or Regional/State System (SS)	Use of InCommon Trust Framework, Limited entities in sub-federations based on “Private MD Aggregates” - Would require either InCommon effort or Regional/SS use of MD Aggregator (MDA) tool	Sys Admin type staff with SAML product familiarity and moderate level of Java/XML programming abilities  Developer skills to manage/administer MD or familiarity with MDA	Same as above plus:  Responsibility for creating “unique” MD aggregates (InCommon or Regional/State System)
<b>Sub-Federation (2)</b>	Use of <b>Proxy IdP</b> to manage underlying Orgs	Only Proxy IdP in InC MD, Publish & Subscribe with InCommon	Same as above, plus knowledge of MDA tool, development skills	Membership benefits and Cost Model for the Proxy IdP Model
<b>Interfederation (1)</b>	Handled through <b>MD Aggregates</b> – Publish & Subscribe	<b>eduGAIN Model</b> , true Interfederation, Full Federation Operator	Skillsets as above with Federation Operator skills, MDA, Signing MD, Pub & Sub	Policy and Process for InCommon handling additional Pub & Sub
<b>Interfederation (2)</b>	Use of <b>Proxy IdP</b> for Regional/SS presence in InCommon	This reduces the number of entities that need to be published in InC MD	Similar to above with Proxy IdP	(Same as above – Proxy IdP)
<b>Special Case</b>	<b>Social2SAML Gateway</b> could fit any model above – run by Regional/State System	Unique situation to possibly provide IdP for K-12/CC without IAM Backend	Similar to above skillsets, Likely one Gateway per institution/organization	Probably Out of Scope for the time being...