



Blockchain Mérida

Blockchain Care for Institutionalized Children PoC & MVP

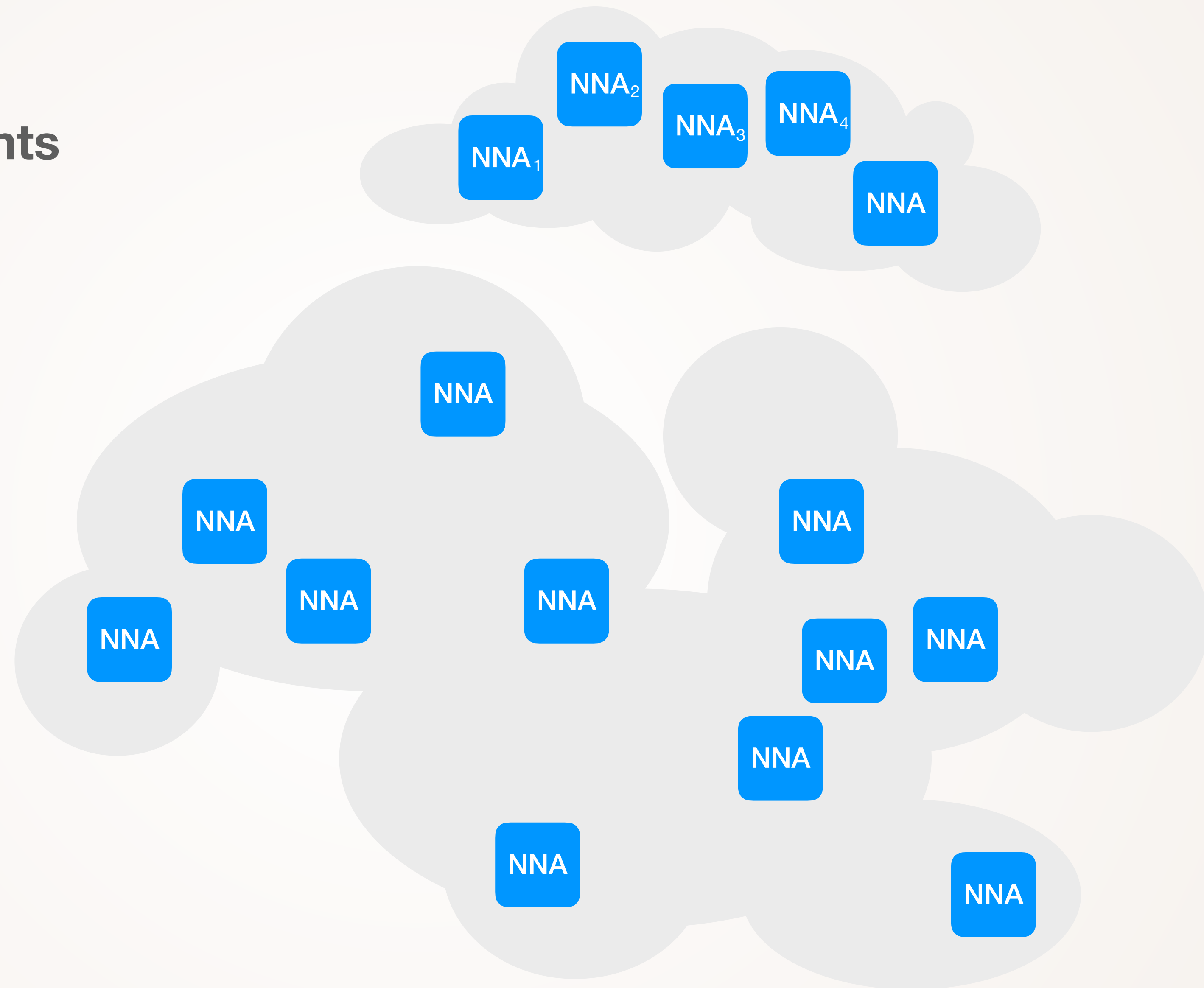
UNICEF

Blockchain Mérida
Alfonso Goveia 201218



There are many
children and adolescents
without parental care

NNA
Niñas,
Niños,
Adolescentes



R2 Organization PPNNA

CC1 Channel Configuration Intra-agency

NC2 Network Configuration PPNNA

L1 Ledger Intra-agency

O1 Ordering Service PPNNA

CA2 Certificate Authority for PPNNA

R1 Organization Children

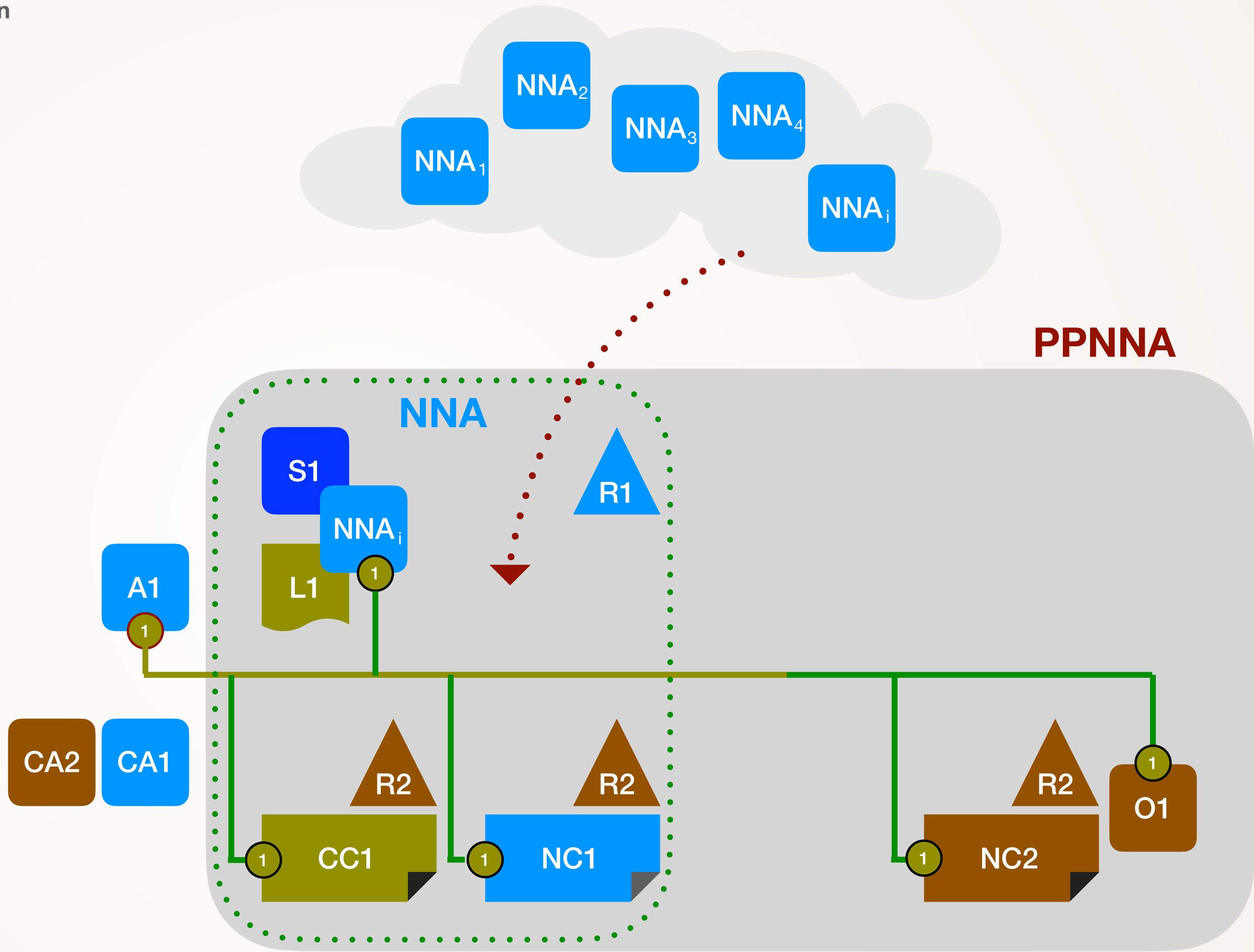
NC1 Network Configuration Children

NNA_i Children Nodes

CA1 Certificate Authority for Children

A1 Application for Children

S1 Chaincode for Children



Blockchain Care for Children and Adolescents uses Hyperledger Fabric to create an institutional framework for a new Child Legal Record system



@govela



R2 Organization PPNNA

NC2 Network Configuration PPNNA

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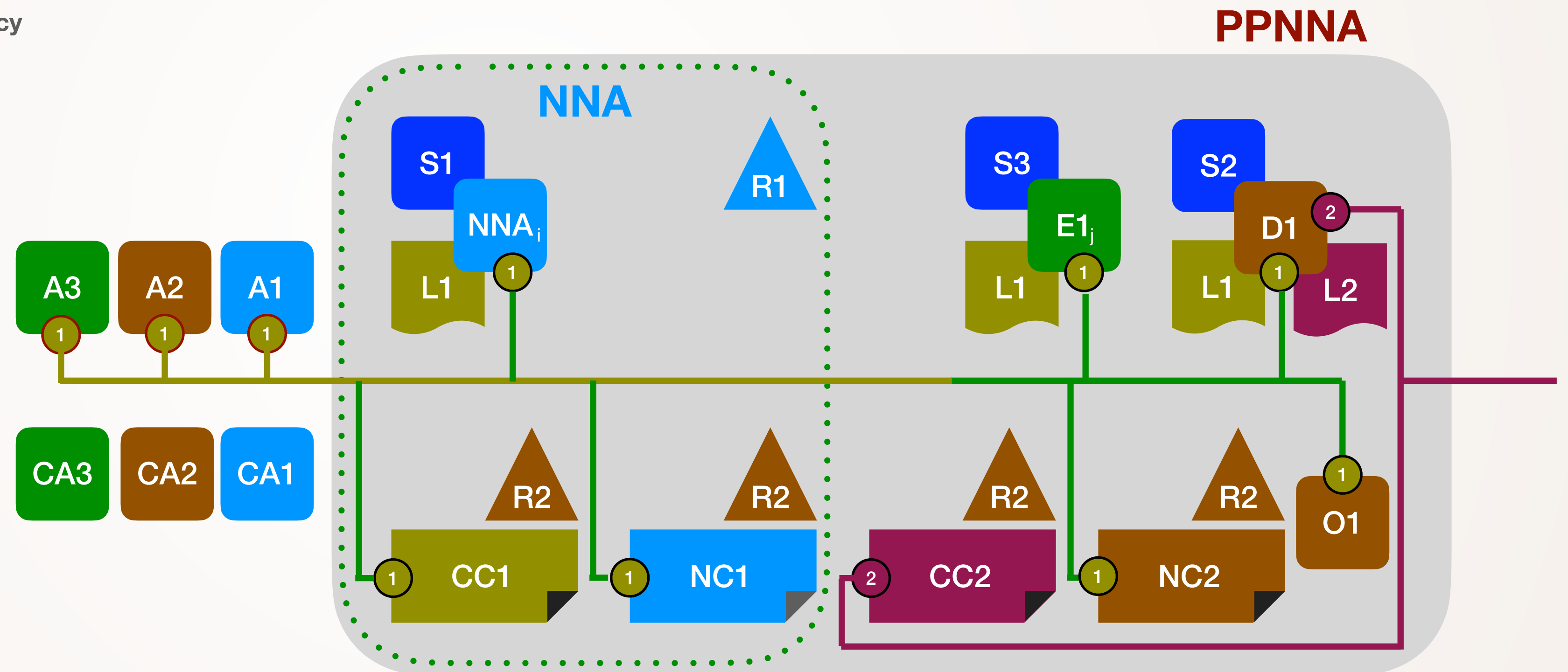
CC1 Channel Configuration Intra-agency

L1 Ledger Intra-agency

CC2 Channel Configuration Inter-agency

L1 Ledger Inter-agency

A basic institutional framework has two organizations:
PPNNA (Procuraduría de Protección de NNA) y NNA.
Three nodes: Children, Director, Employees
Two channels: one internal another external
Two ledgers: one internal another esternal



With this framework more institutions can be added
as an operative network



Operational Network proposed for MVP

Autoridad Tutelar Municipal

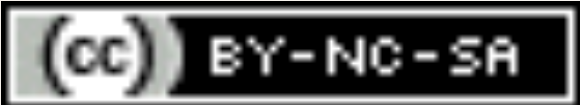
PPNNA

ALBERGUES

PROCURADOR

JUZGADOS

Niñas, Niños y Adolescentes



Time stamp	CHILD ID	DOSSIER ID	AGENCY ID	AGENT ID 1	AGENT ID 2
Step Num	ISSUE		RULE		
1/10	FACTS	ANALYSIS	CONCLUSION		
Time stamp	CHILD ID	DOSSIER ID	AGENCY ID	AGENT ID 1	AGENT ID 2
Step Num	ISSUE		RULE		
1/5	FACTS	ANALYSIS	CONCLUSION		
Time stamp	CHILD ID	DOSSIER ID	AGENCY ID	AGENT ID 1	AGENT ID 2
Step Num	ISSUE		RULE		
2/10	FACTS	ANALYSIS	CONCLUSION		
Time stamp	CHILD ID	DOSSIER ID	AGENCY ID	AGENT ID 1	AGENT ID 2
Step Num	ISSUE		RULE		
3/10	FACTS	ANALYSIS	CONCLUSION		
Time stamp	CHILD ID	DOSSIER ID	AGENCY ID	AGENT ID 1	AGENT ID 2
Step Num	ISSUE		RULE		
1/5	FACTS	ANALYSIS	CONCLUSION		

Child Legal Record
Issue 1

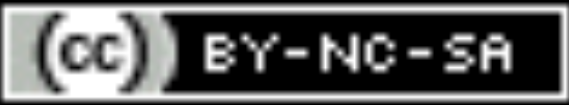
Child Legal Record
Issue 2

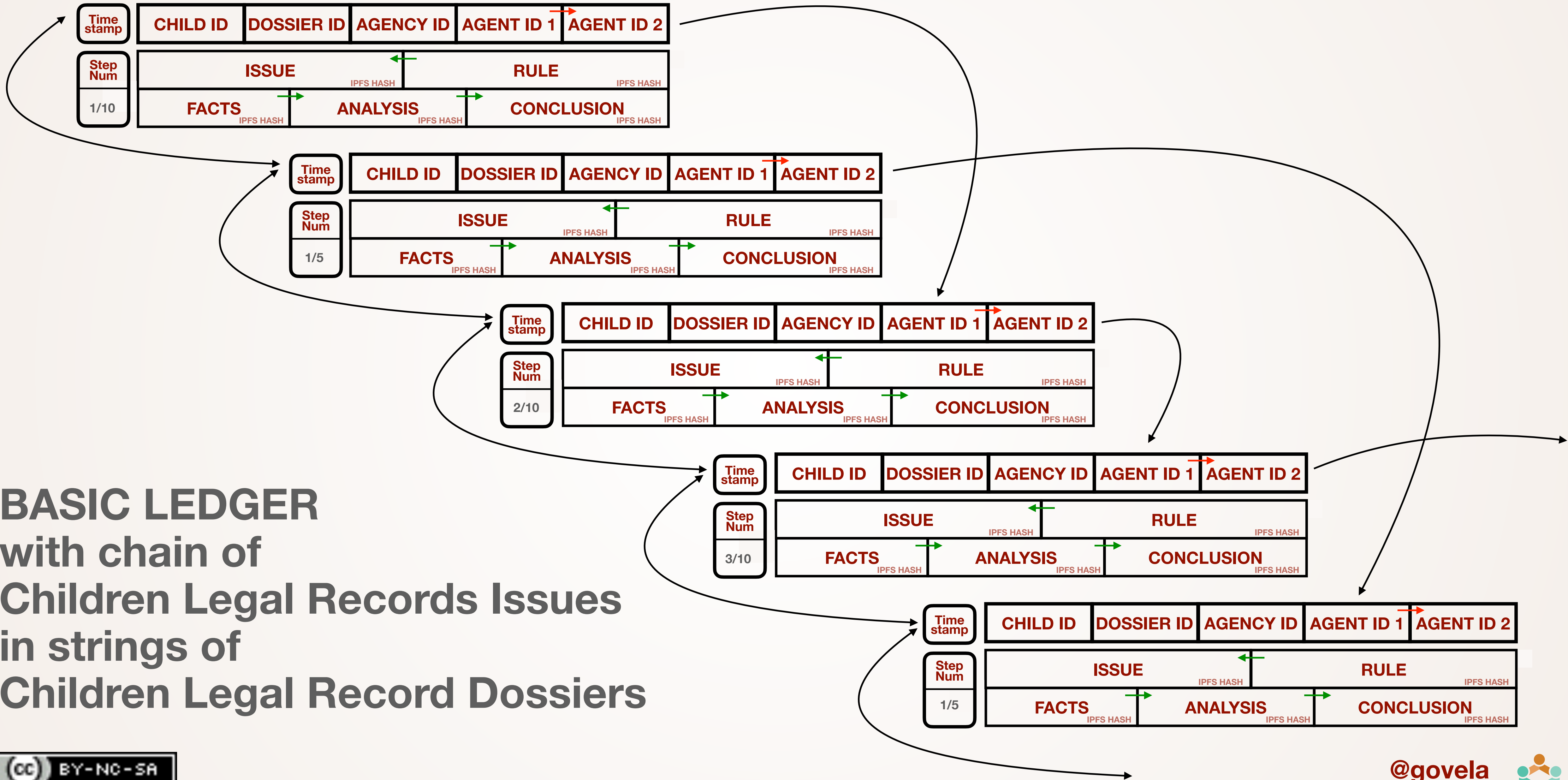
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Child Legal Record
Issue n

Child Legal Record Dossier

BASIC DOSSIER





BASIC LEDGER

with chain of

Children Legal Records Issues

in strings of

Children Legal Record Dossiers



