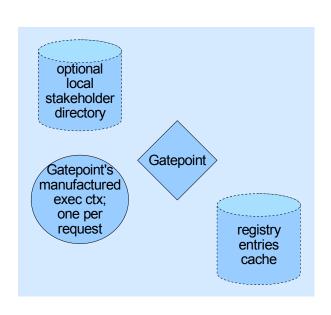
Components in a deployed CDCL Gatepoint installation; dotted lines indicate optional or transient items; the exec ctx is present only at a run-time redaction event

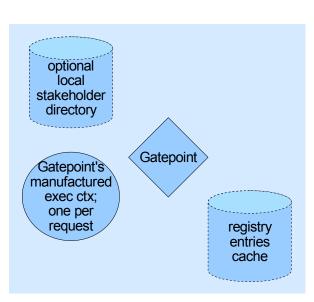


(future) receiver of "forwarded" redacted document

optional 3rd party policy enforcement point

The receiver is a party other than the client who will get the resulting redacted document

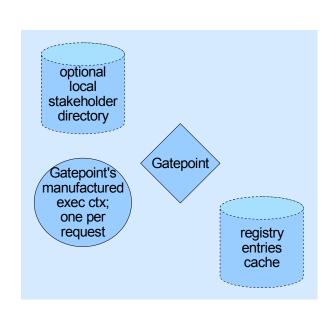
A third party PEP is feasible, but it would be invoked not from a Gatepoint but rather from some entity with a document containing decision mark-ups, such as a Gatepoint *client*

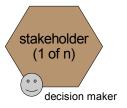


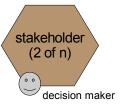
(future) receiver of "forwarded" redacted document

For now, the client will be the entity that receives the resulting redacted document and/or any response meta-data for the request transaction

optional 3rd party policy enforcement point







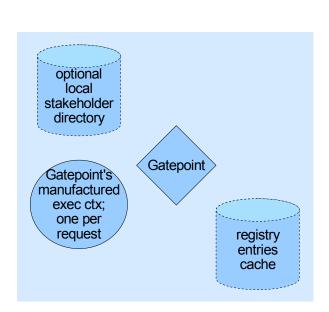




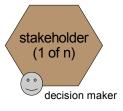
(future) receiver of "forwarded" redacted document

optional 3rd party policy enforcement point

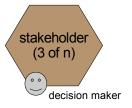
Stakeholders don't have any direct involvement with a Gatepoint, but they are the ultimate decision making authorities, along with various server administrators, for declaring most dependencies within a redaction "problem"













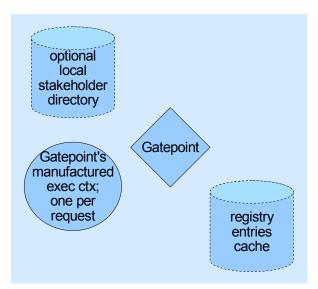
(future) receiver of "forwarded" redacted document

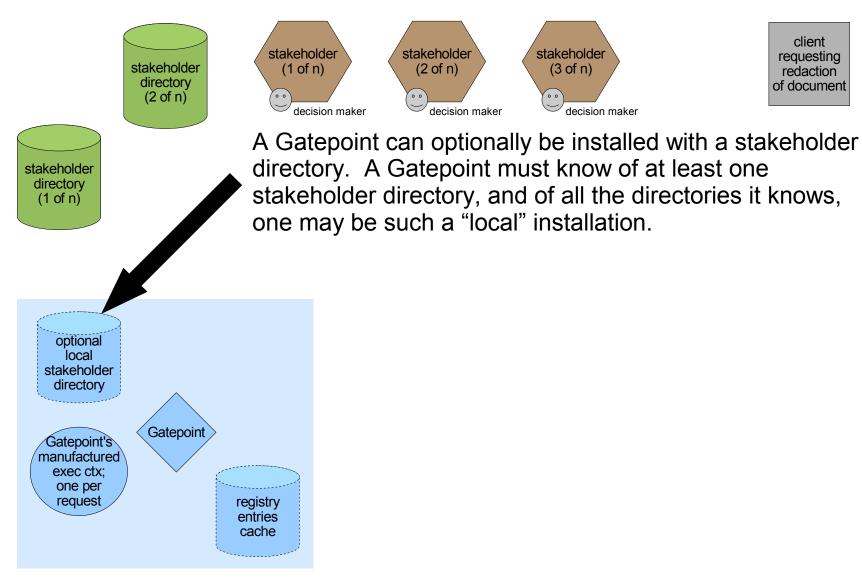
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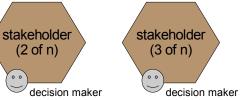


For example, stakeholders request admittance into stakeholder directories and request associations to other stakeholders and to document "problem spaces" or "types". Also, stakeholders authorize rulesheet authors.

This information is all held within stakeholder directories



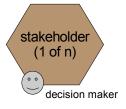




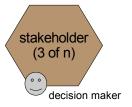
(future) receiver of "forwarded" redacted document

optional 3rd party policy enforcement point









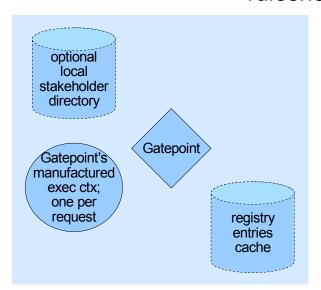
(future) receiver of "forwarded" redacted document

stakeholder directory (1 of n) Rulesheet repositories are version control systems for CDCL rulesheets written by authors. Through stakeholder authorizations held in stakeholder directories, authors may declare associations between rulesheets and stakeholders, and these associations are stored within the rulesheet repositories as rulesheet meta-data

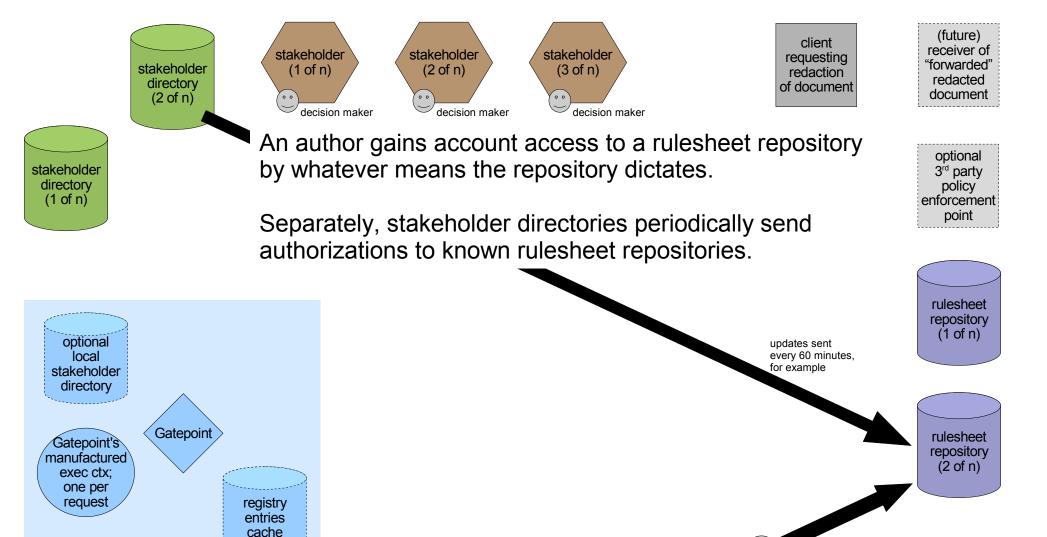
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rulesheet repository (2 of n)





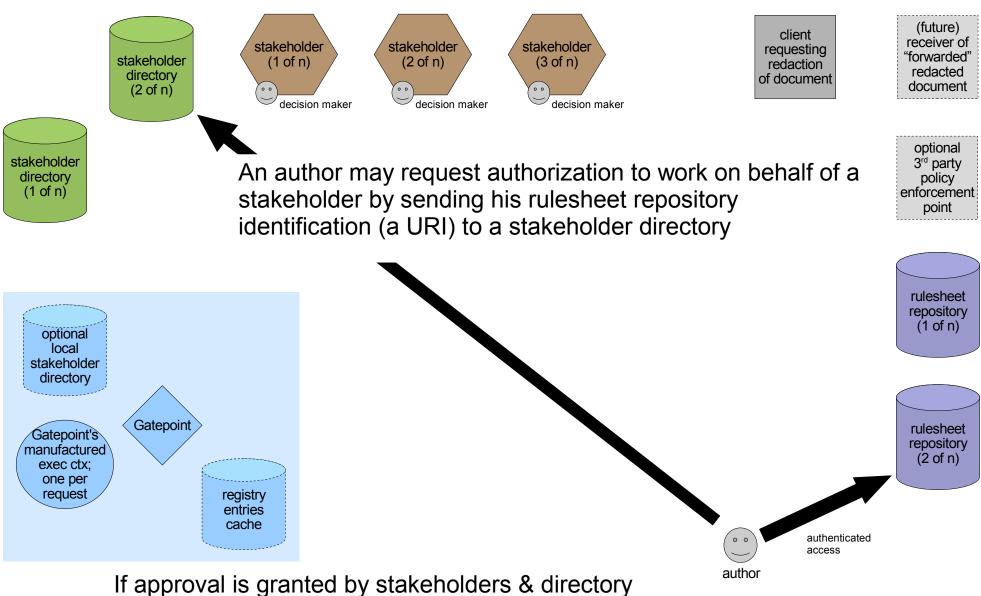


authenticated

access

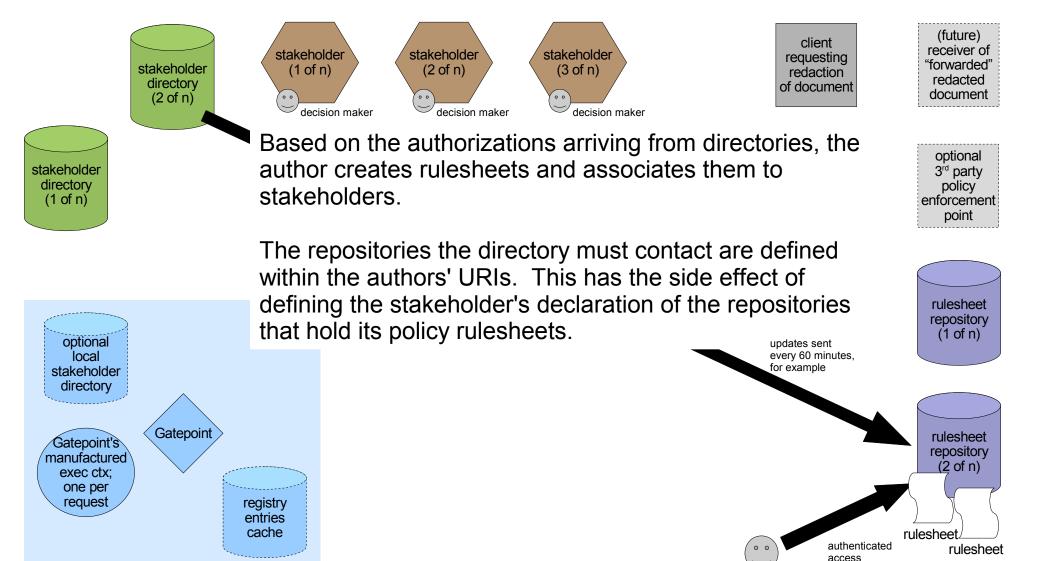
0 0

author



If approval is granted by stakeholders & directory administrators, the authorization for *this author* at *this repository* for the *specific stakeholder* is persisted in the directory and then included in subsequent updates the directory sends periodically to the repository.

The author may thereafter associate rulesheets to that stakeholder.

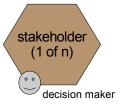


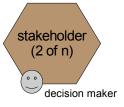


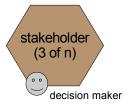
The author may cite various external dependencies within the rules, such as whether a license number exists in a given database. We'll see later how these external dependencies fit within the puzzle.

author









(future) receiver of "forwarded" redacted document

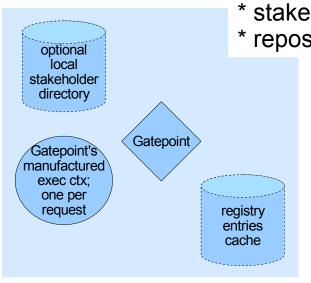
stakeholder directory (1 of n) So, the stakeholder directories hold the keys to the CDCL operational kingdom. Within the directories is stored most information that defines how a rulesheet deck will get assembled:

optional
3rd party
policy
enforcement
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- * stakeholder associations to other stakeholders
- * stakeholder associations to document "problem spaces"
- * stakeholder authorizations of rulesheet authors
- * repositories' URIs that store stakeholders' policies

rulesheet repository (1 of n)

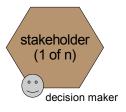
rulesheet repository (2 of n)















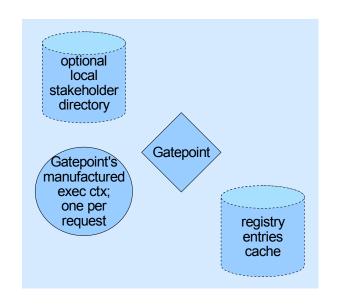
(future) receiver of "forwarded" redacted document

stakeholder directory (1 of n) A rulesheet editor may be employed by an author if a repository does not provide suitable/desirable editing features. But the rulesheets are still committed to a repository for version controlled storage and retrieval by Gatepoints.

optional 3rd party policy enforcement point

> rulesheet repository (1 of n)

rulesheet repository (2 of n)





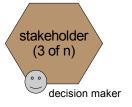
optional rulesheet editor

various external dependencies









(future) receiver of "forwarded" redacted document

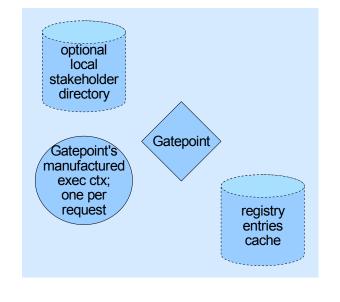
stakeholder directory (1 of n)

Various registries shall exist that resolve semantic URIs and type definition URIs. These are expected to be managed by business domain experts and might be private (intra-enterprise), standards-body-managed, or managed by consortia. This work is akin to the work currently done by similar people in defining XML schema.

optional 3rd party policy enforcement point

> rulesheet repository (1 of n)

rulesheet repository (2 of n)



author

various external dependencies

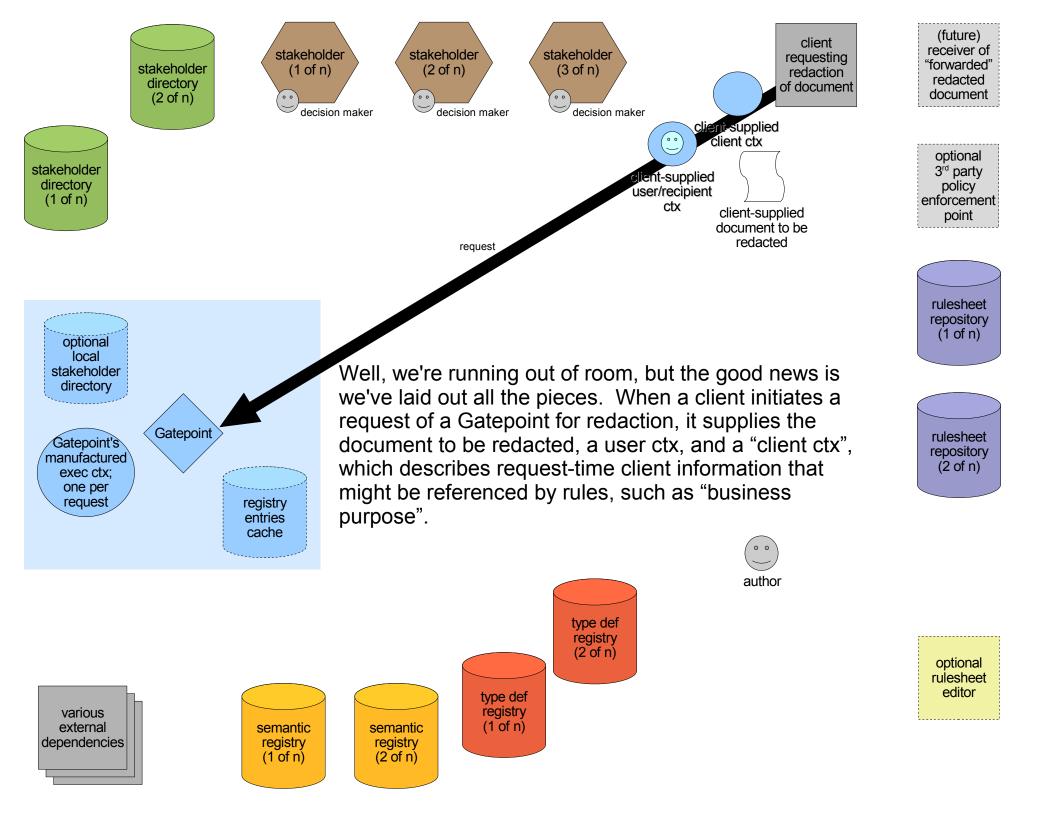


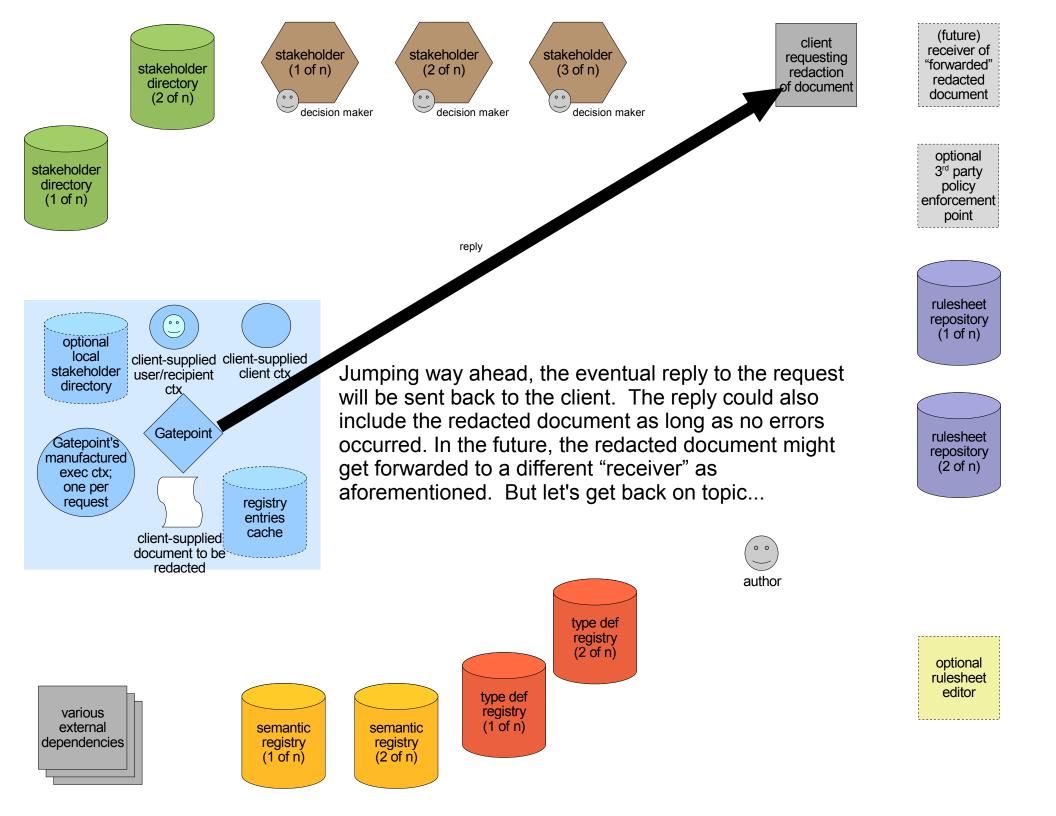
semantic registry (2 of n)

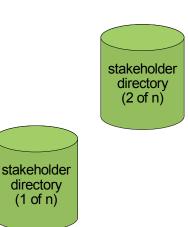


type def registry (2 of n)

optional rulesheet editor

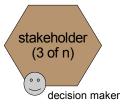












(future) receiver of "forwarded" redacted document

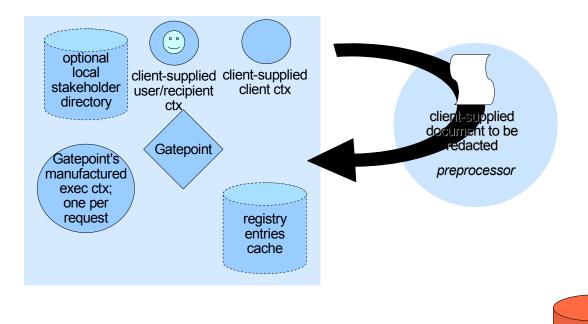
For legacy clients that are incapable of sending documents properly marked up with semantic URIs and/or documents with **flexible schemas***, a Gatepoint may employ a preprocessing step to correct such a primitive document. This could also be applied to the user ctx and client ctx.

> type def registry (2 of n)

optional 3rd party policy enforcement point

> rulesheet repository (1 of n)

rulesheet repository (2 of n)



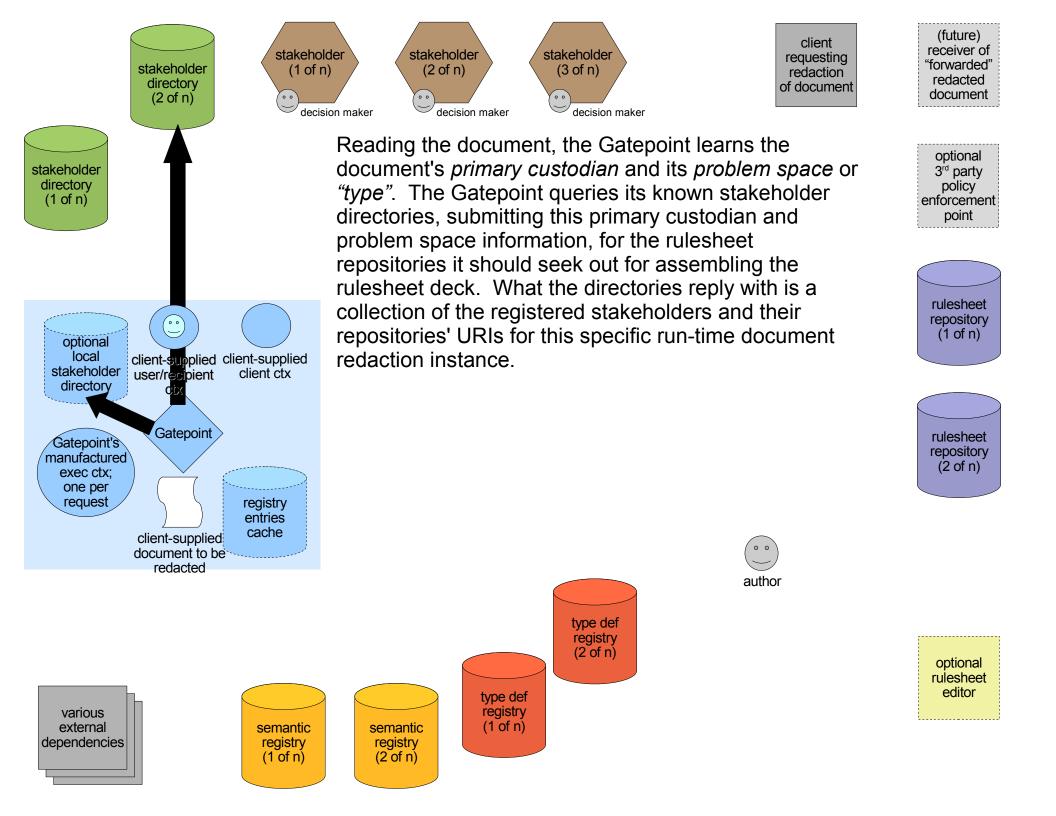


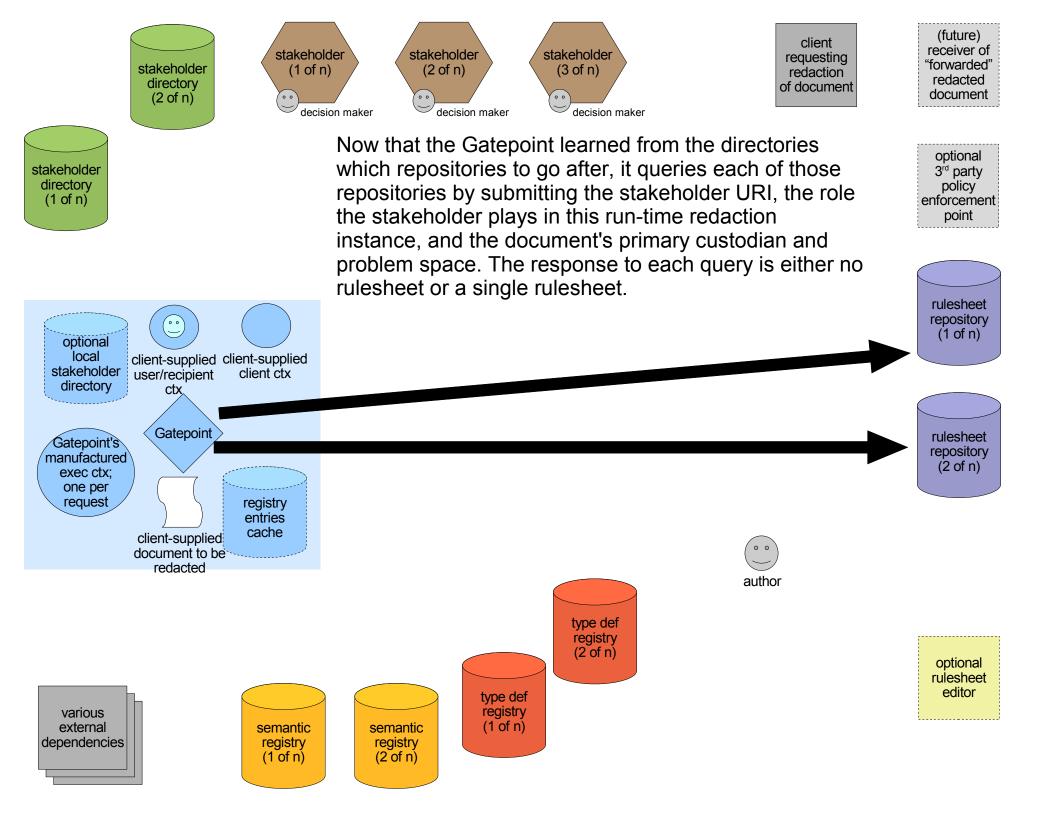
optional rulesheet editor

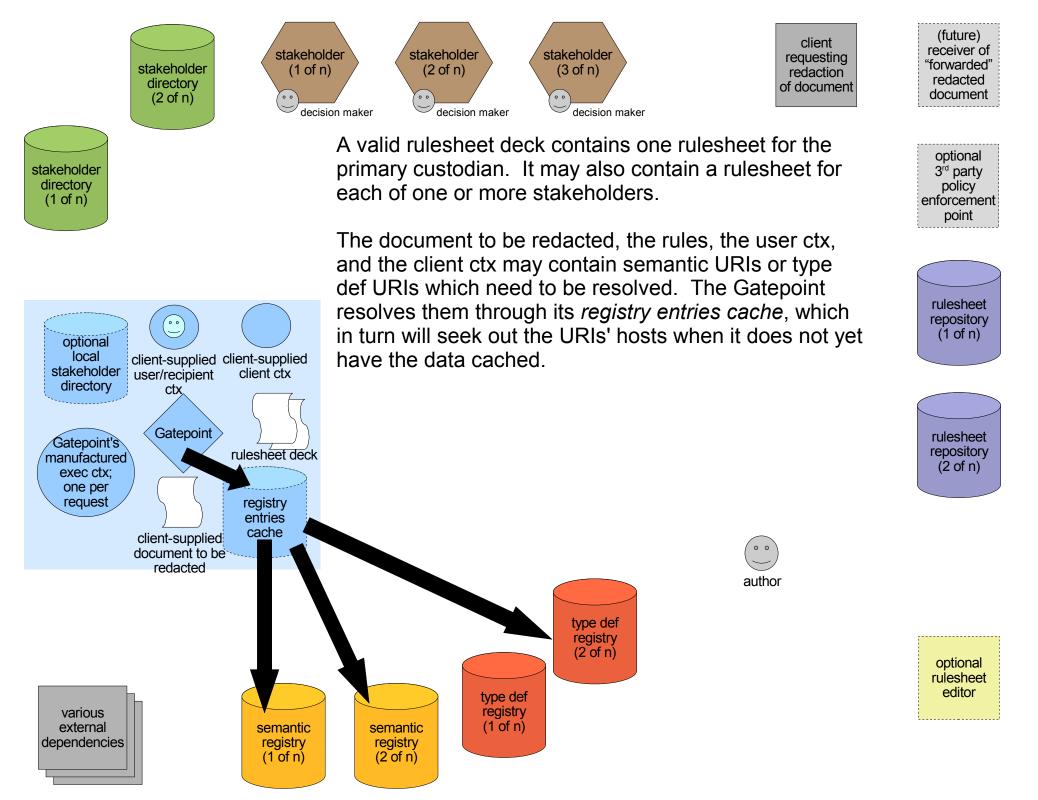
various external dependencies semantic registry (1 of n)

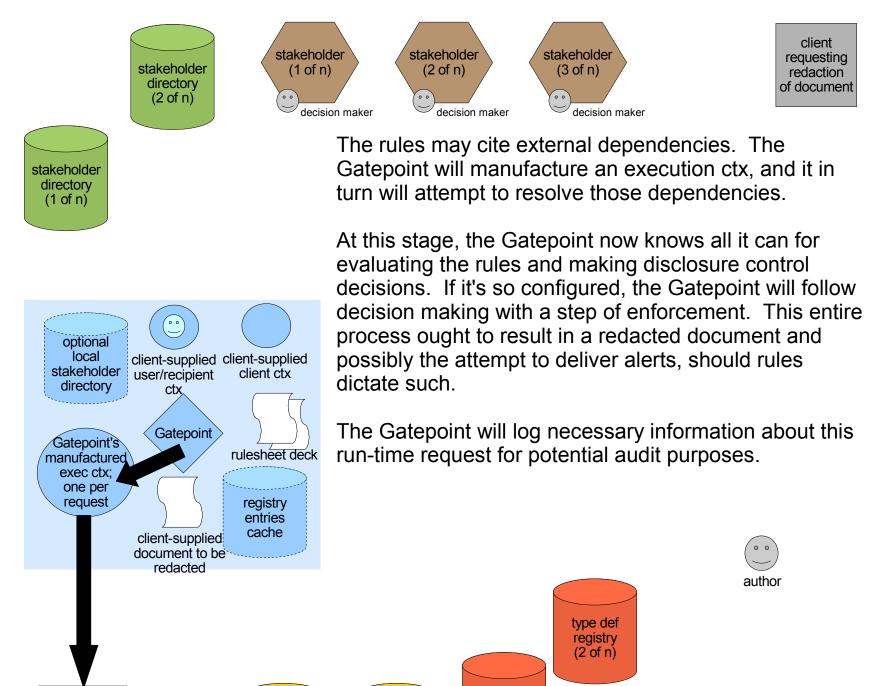
semantic registry (2 of n)

type def registry (1 of n)









type def registry

(1 of n)

semantic

registry

(2 of n)

various

external

dependencies

semantic

registry

(1 of n)

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rulesheet repository (1 of n)

rulesheet repository (2 of n)

optional rulesheet editor

