Introduction to IDS Logic

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How Does IDS Logic Work?

Libraries Configure Logic Rules and Services to best automate workflows, getting data from APIs, web services, and other sources.
IDS Logic Connection to ILLiad

Server Addon allows Read-Write Access to ILLiad database

IDS Logic Server Addon installed in ILLiad Customization Manager

ILLiad will then send selected commands to OCLC (i.e. cancel, etc)
What does this mean to me?

• IDS Logic can insert information into transactions.
• IDS Logic can route transactions.
• IDS Logic can cancel and update transactions in ILLiad and WCRS/Worldshare.
• IDS Logic can send emails to patrons or other libraries based on criteria you give it.
• IDS Logic can read information in transactions and take actions based on criteria.
Who’s Using Logic Now?

28 Libraries

25 IDS Project Members
Terminate the parts of your workflow that you aren’t adding value to your operation.
We’re not about Transactions, we’re about Touches.
Hi, my Name is System.
I like to do the mundane stuff.
It’s about the queue, not the transaction.

Buttons are much more powerful when you can act on many transactions at the same time.
IDS Logic looks for information that is reliably acted upon and takes actions, including notifying patrons.

- Can key off date information
- Emails Patron
- Updates/Routes Transaction
- Add/Remove Flags
How are Logic rules different than Client Routing Rules?

\[ h_i(x) = \gamma + \ln(x) + \int_0^x \frac{\cosh(t) - 1}{t} \, dt \]

\[ h_i(x) = \int_0^x \text{sech}(t) t \, dt \quad \text{FresnelC}(x) = \]

\[ \text{Erf}(x) = \frac{2}{\sqrt{\pi}} \left( \frac{1}{2} \right) \int_0^x e^{-t^2} \, dt = \frac{2}{\sqrt{\pi}} \left( \frac{1}{2} \right) \int_0^x e^{-t^2} \, dt \]

\[ \text{dilog}(x) = \int_1^x \frac{\ln(t)}{1-t} \, dt \quad \Psi_1(x) \]

\[ \text{sub}(n, x) = \left( e^x / n! \right) (x^n e^{-x}) \]
Rules can make finding, fixing, and working on your workflow problems much easier.

We’ll put the fish in a barrel for you.
Release the MicroManagers! (In a Good Way).
Future Development:
The Rules are Multiplying!

• Build more rules to help manage your workflow—some rules big, some small.

• Will need input on priorities of rules to build.
Toolkit, meet Rulekit.

We’ll try to build rules that everyone can benefit from (Especially the patron) based on the principles of the Workflow Toolkit.
Hi, my Name is Service.
I have many talents.
Logic stores complex availability settings and rules and interacts between ILLiad and the libraries Z39.50 server to check availability and import all needed information.
Logic is a platform that will continue to be built upon to facilitate the most effective resource sharing possible through ILLiad automation and enhancements.
Logic as a platform will seek to optimize ILL workflows through knowledge of systems used for resource sharing.

Think functional apps that focus on specific problems within a larger OS.
It adds up (and we’re just getting started)

- SYB—31,000 touches automated in the past year with new Logic rules and services.
Complex Installation?
Future Developments: Patron Interaction
Future Developments: Enhanced Web Reports

- TPAM will be improved and re-released as IDS Data Services using Logic as the method for gathering data.
- IDS Data Services releasing in next 6 -9 months
The New ALIAS
Future Developments

Direct Request Enhancer
Questions?