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3	OBSIDIAN	25.11.2021–28.12.2021	
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5		06.12.2021–08.12.2021	
6		09.12.2021–12.12.2021	

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ABSTRACT

Master's thesis: 60 pages, 17 figures, 1 appendices, 6 sources.

DATABASE, KNOWLEDGE BASE, OBSIDIAN, ZETTELKASTEN, KNOWLEDGE, INTELLIGENCE, WISDOM.

The purpose of the qualification work is to consider the possibilities of building and further use of the knowledge base, convenient for personal needs and constructive (specifically meaningful) for use in further professional activities. The analysis of processes and identification of methods related to the generation, storage and processing of knowledge. In terms of further creative and productive use of the knowledge generated and accumulated, a promising set of techniques Zettelkasten, is actively studied and developed now in numerous variants in the online community. Various variants of software products are considered in terms of convenience and prospects of use. Priorities are formulated, which should follow the choice of specific software products.

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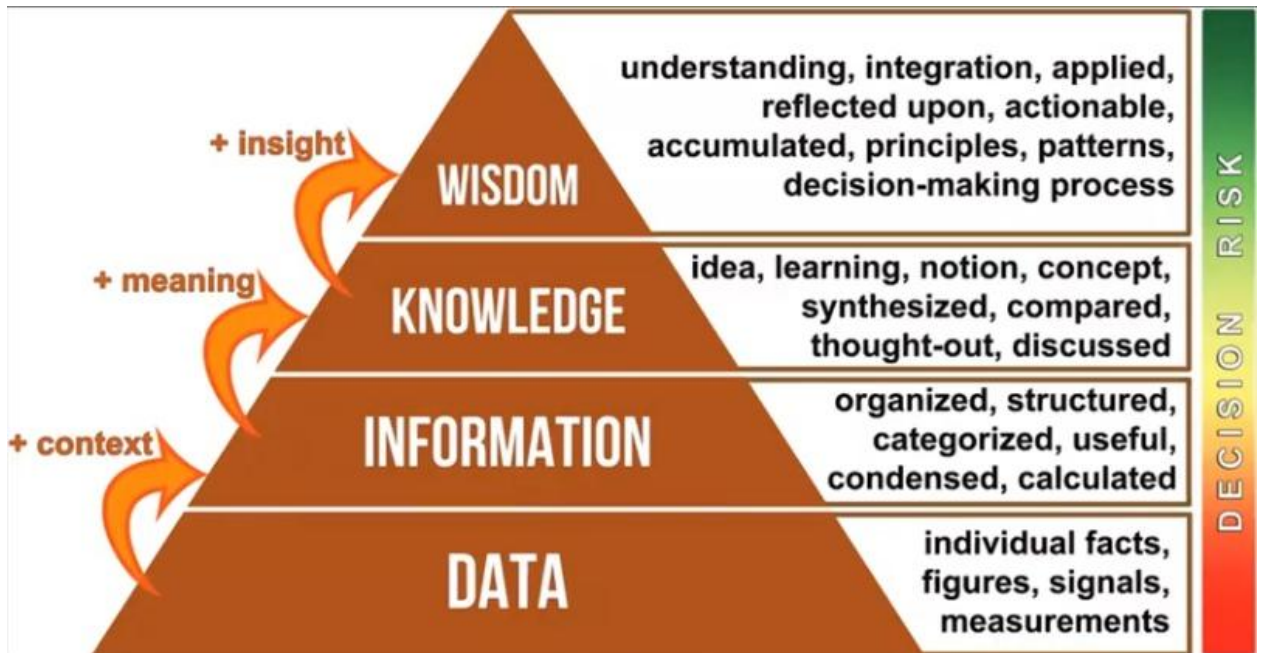
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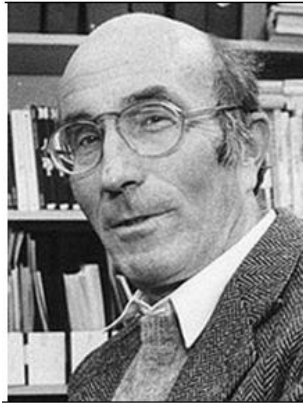
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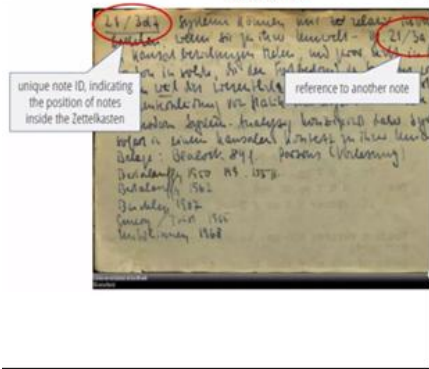
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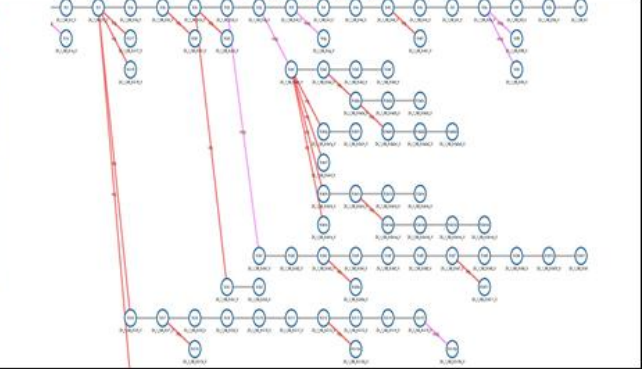
Zettelkasten



unique note ID, indicating the position of notes inside the Zettelkasten

reference to another note

КАРТОЧКА



Організація зв'язків

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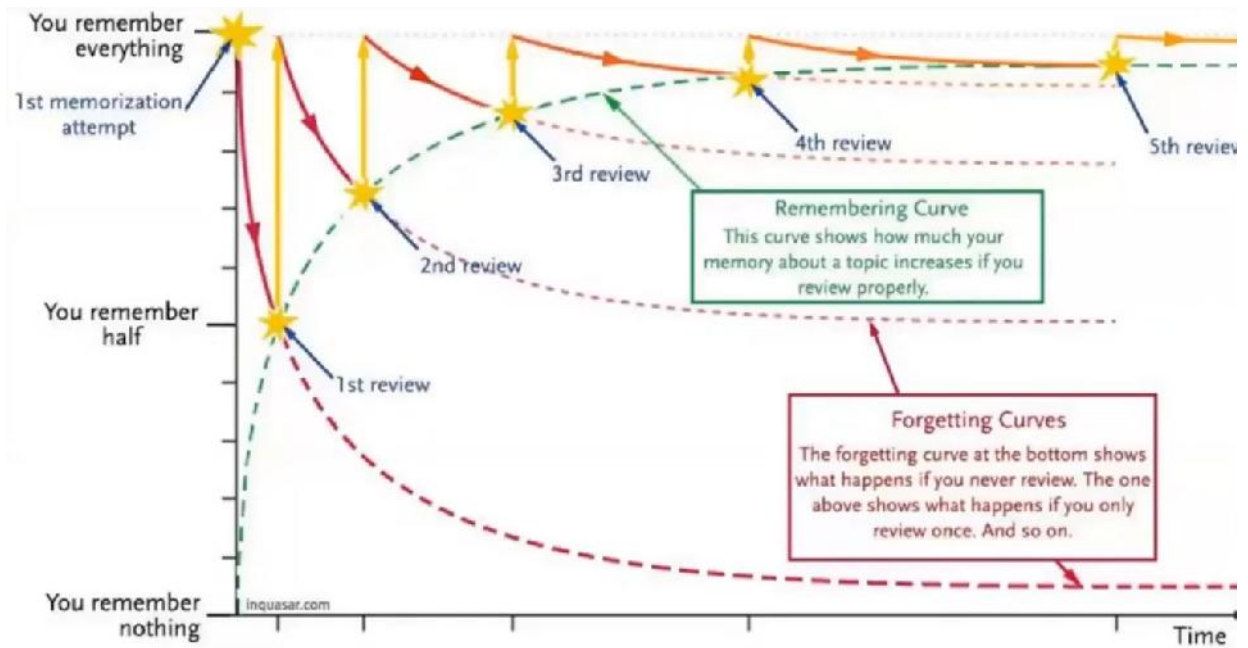
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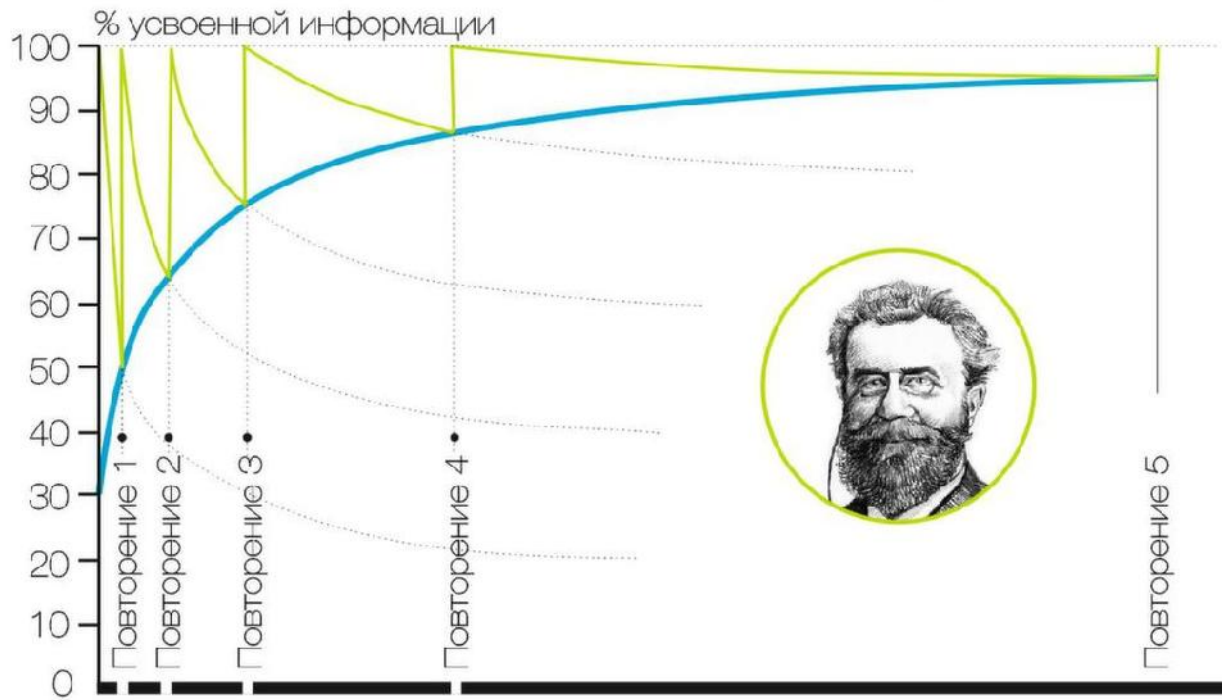
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1.3.3



Кривая забывания Эббингауза



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1.4.1

Zettelkasten

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URI. 1999 RDF

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RDF

RDF

Web: Unicode

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XML Schema -

RDF (XML

RDF). RDF

RDF – RDF Schema (RDFS).

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W3C 2004 .

Semantic Web

RDF/RDFS,

2001 2004

RDF-

2004

GRDDL (Gleaning Resource Descriptions

form Dialects of Languages).

RDF-

XML XHTML (

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Semantic Web.

RDF-

Jena Framework,

– Simile Firefox.

RDF. 2004

OWL (Web Ontology Language).

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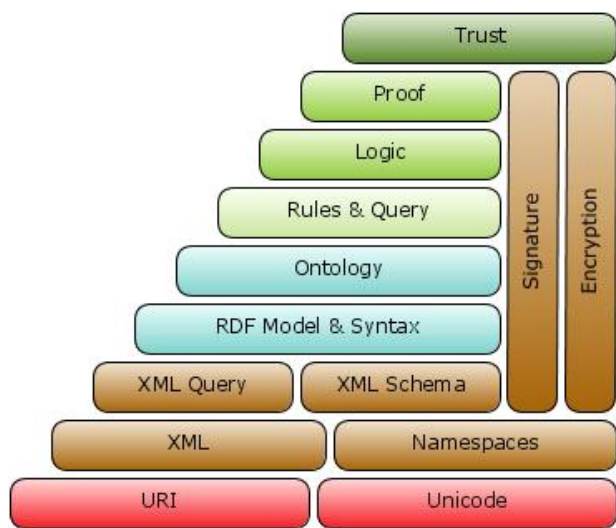
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RDF/RDFS

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 OWL (- OWL Lite OWL DL -
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 OWL;
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 Semantic Web
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 - RIF (Rule Interchange Format).
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 SPARQL -
 RDF- - 2008
 W3C. SQL.
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 Semantic Web.



2.1 – Semantic Web

"Ontology

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(LOOM), , (OKBC,

OCML, F-Logic). Web- (XOL, SHOE,

UPML). Web

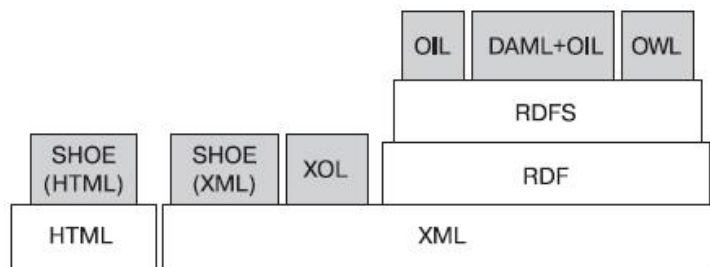
RDF, RDFS, DAML+OIL, OWL. , ,

(Semantic Web).

Semantic Web .

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Web (DL) OWL- RDFS. OWL- OWL - OWL DAML+OIL, DAML (DARPA Agent Markup Language) OIL (Ontology Inference Layer). Web SHOE (Simple HTML Ontology Extensions). Web 2.2. : OIL, DAML+OIL OWL OWL.



2.2 –

Web

OWL : OWL Lite, OWL DL, OWL Full. (OWL Lite) OWL Lite OWL DL , - OWL DL OWL Full . OWL-

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OWL - (owl:Class).
rdfs:subClassOf.

. OWL 3 , ,
: rdfs:subClassOf ,
( )
( ); owl:equivalentClass ,
; owl:disjointWith ,
.
' . OWL :
- ' ( ' ) - .
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,
rdf:Property.
owl:ObjectProperty owl:DatatypeProperty
.
, OWL
: RDFS: rdfs:subPropertyOf (
), rdfs:domain ( ) rdfs:range
( ).
: owl:equivalentProperty (
) owl:inverseOf ( ).
: owl:FunctionalProperty (
-
) owl:InverseFunctionalProperty ( ,
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: owl:SymmetricProperty (

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) owl:TransitiveProperty ().

Semantic Web,

OWL),

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2.2.1 Zettlr

Zettlr (2.3) Electron, Chromium
 Node.js.
 Zettlr , ' .
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Zettlr

2.3– Zettlr

HTML, PDF, ODT, DOCX.

Pandoc LaTeX.

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ShowJS.

LaTeX

2.2.2 Joplin

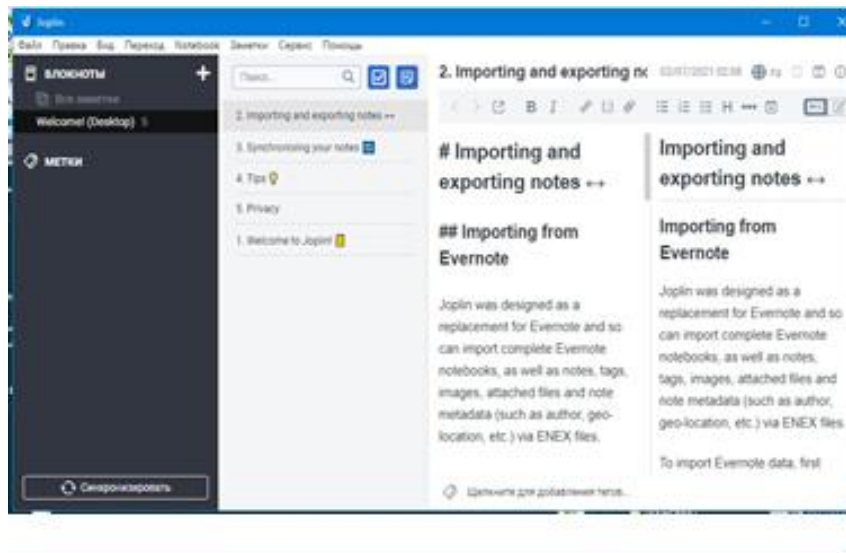
Joplin (2.4).

Joplin –

Windows, MacOS, Linux, Android iOS.

Google Chrome Firefox

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2.4 –

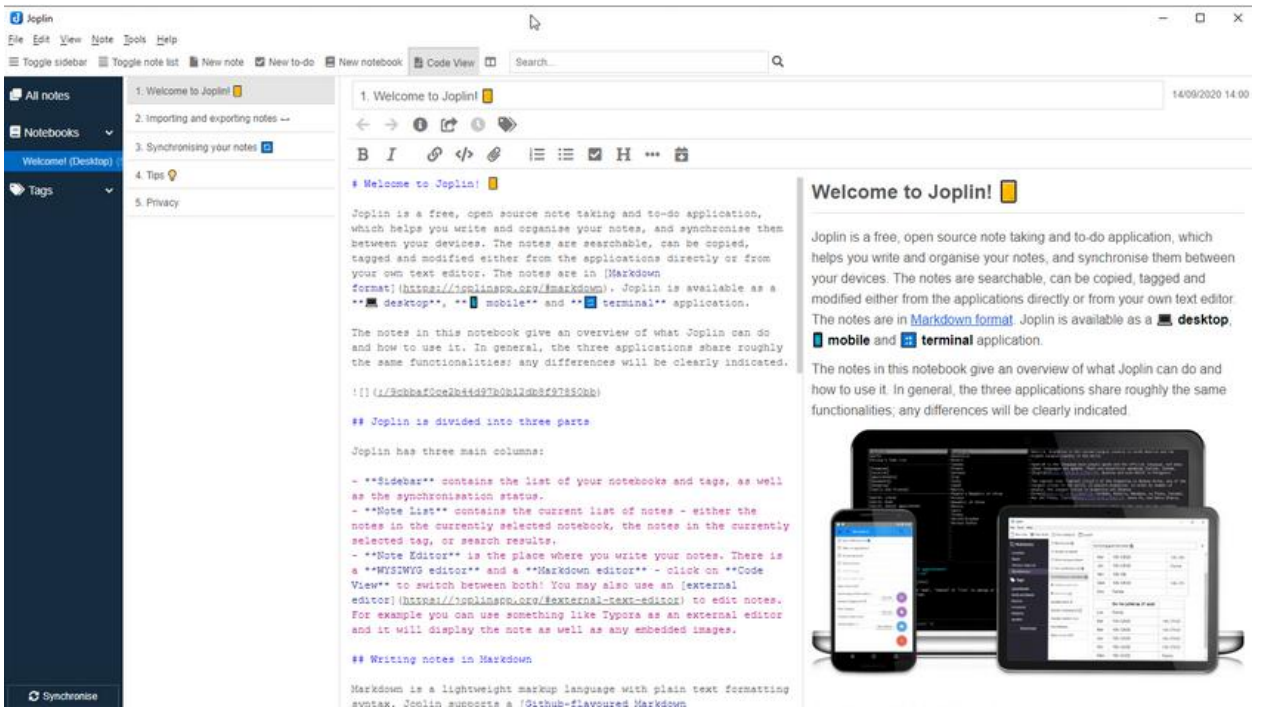
Joplin

Joplin

Linux MacOS,

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2.6 – Joplin

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Joplin

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Joplin " " ENEX- Evernote.

Markdown-

OCR, Evernote

, ENEX- Evernote, : Standard Notes, Tomboy Notes, OneNote, NixNote. - Markdown-

Joplin JEX, tar-

end-to-end

Joplin (OneDrive, Dropbox, WebDaw, Nextcloud, AWS S3)

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2.2.3 Evernote

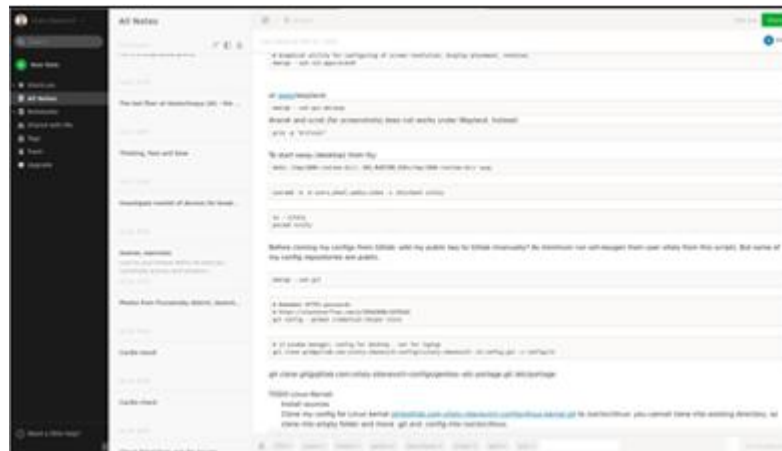
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2.2.4 TheBrain

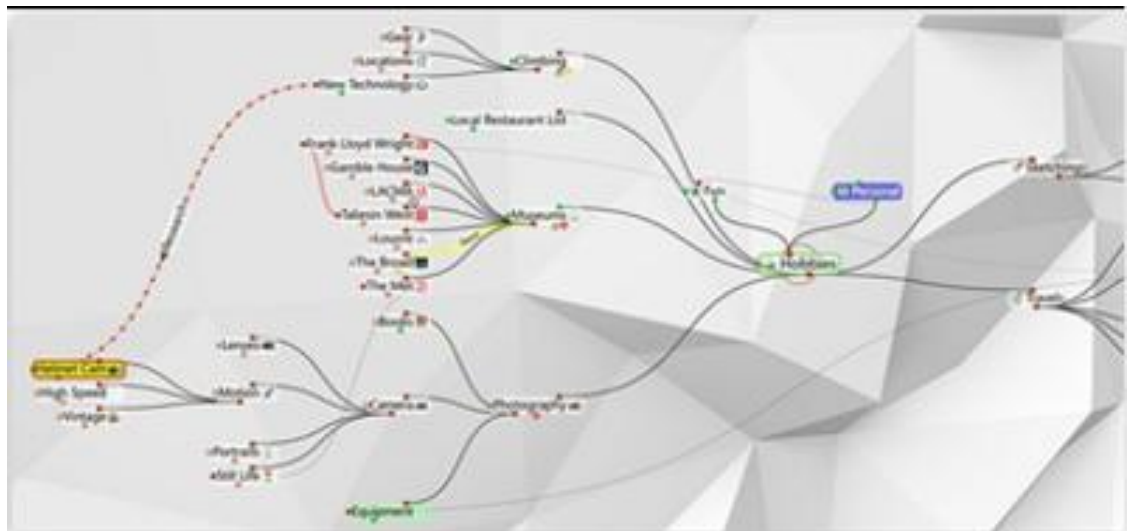
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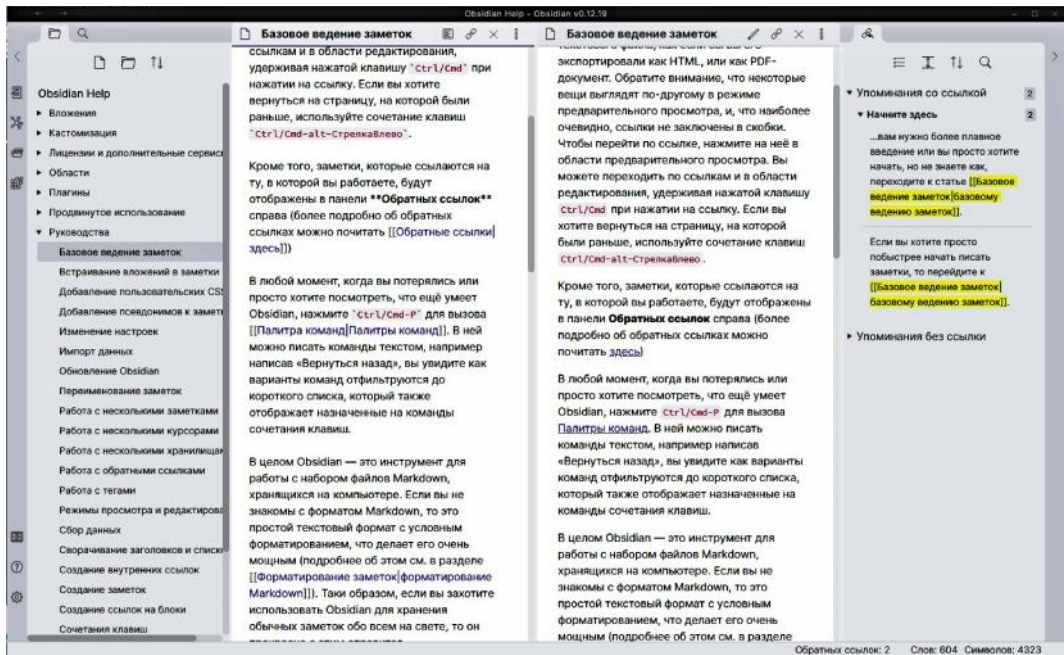
Markdown

OBSIDIAN — OBSIDIAN

OBSIDIAN

macOS, Linux, Windows,
iOS Android. OBSIDIAN

Markdown



Markdown

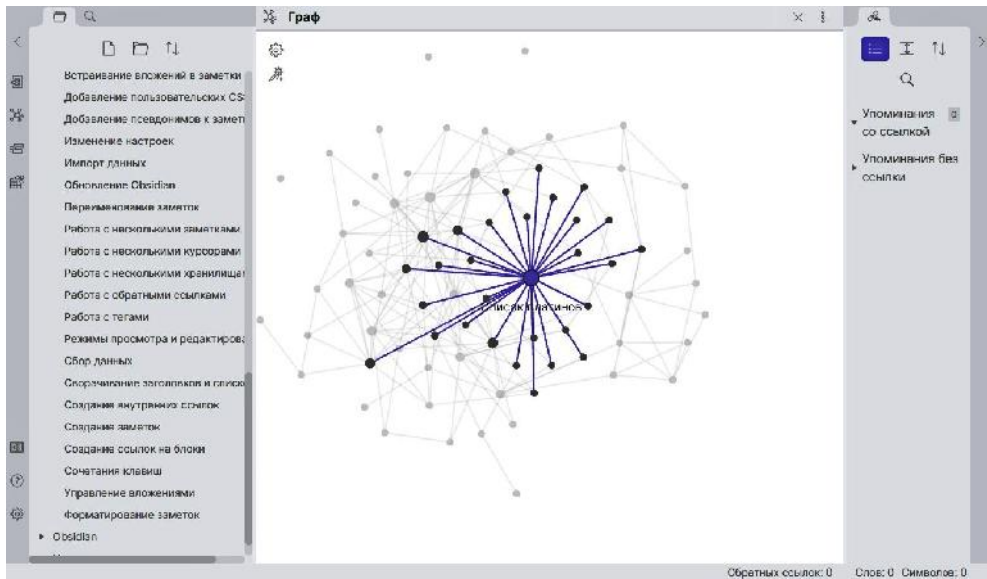
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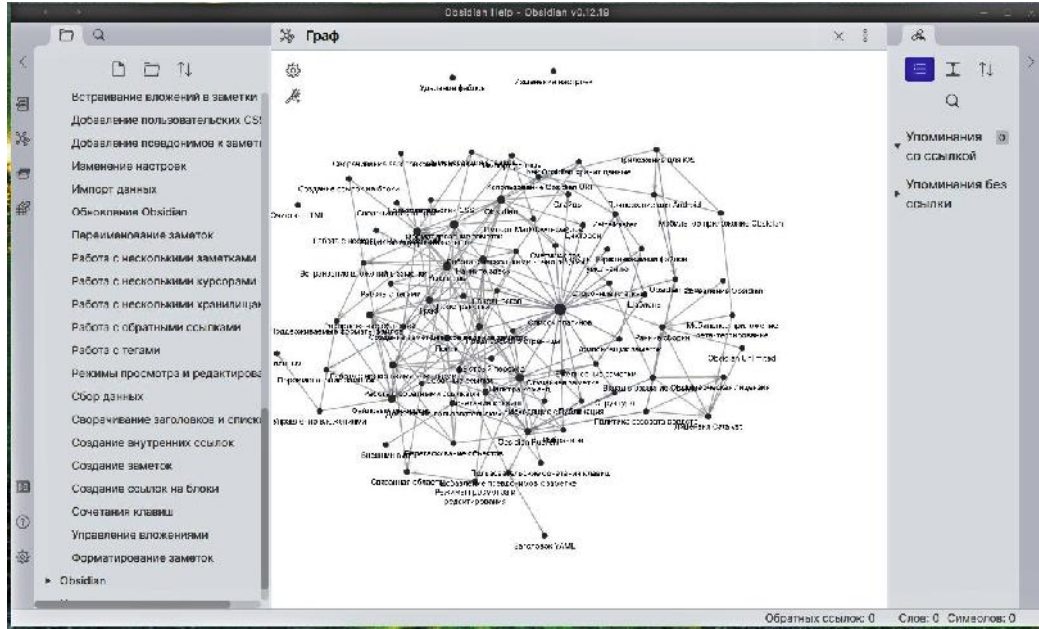
OBSIDIAN

Obsidian

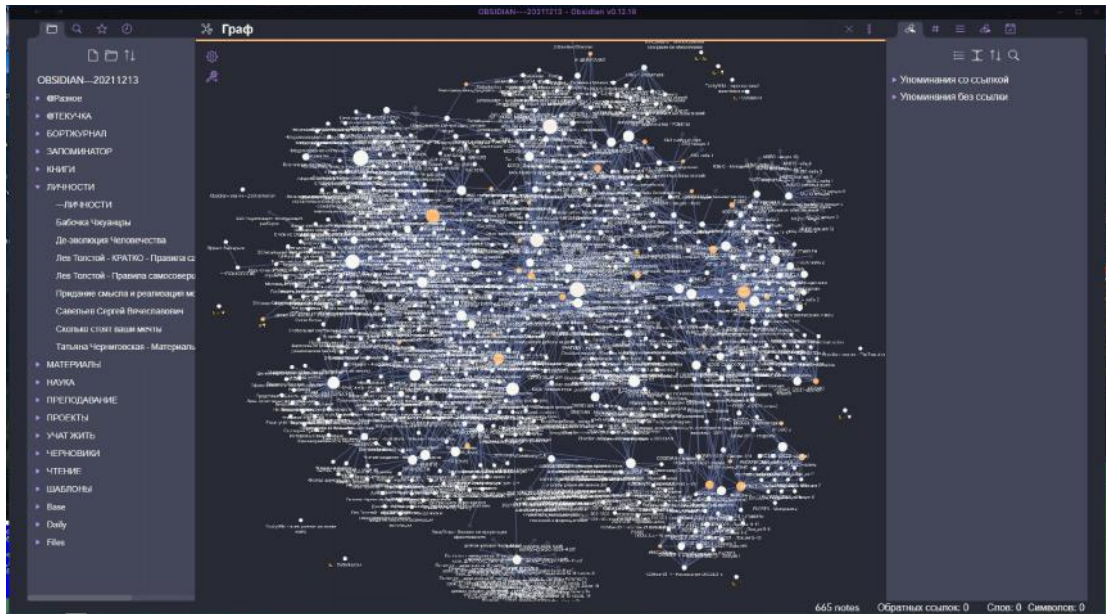
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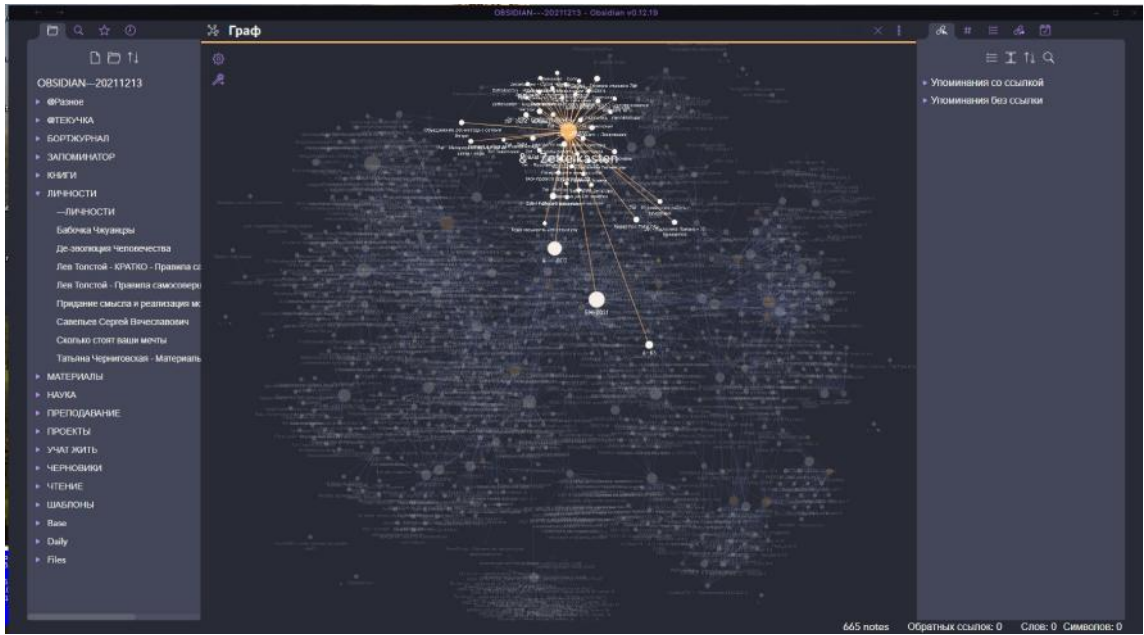
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