

The XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020)

Designing an agent information-analytical system in the thematic area "Cloud Computing"

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Problem Statement



The **increase** in the number of sources of scientific and technical information on the Internet.



Increased **time** to search for information by laboratory staff.



Development agent system in the thematic area "Cloud Technologies".

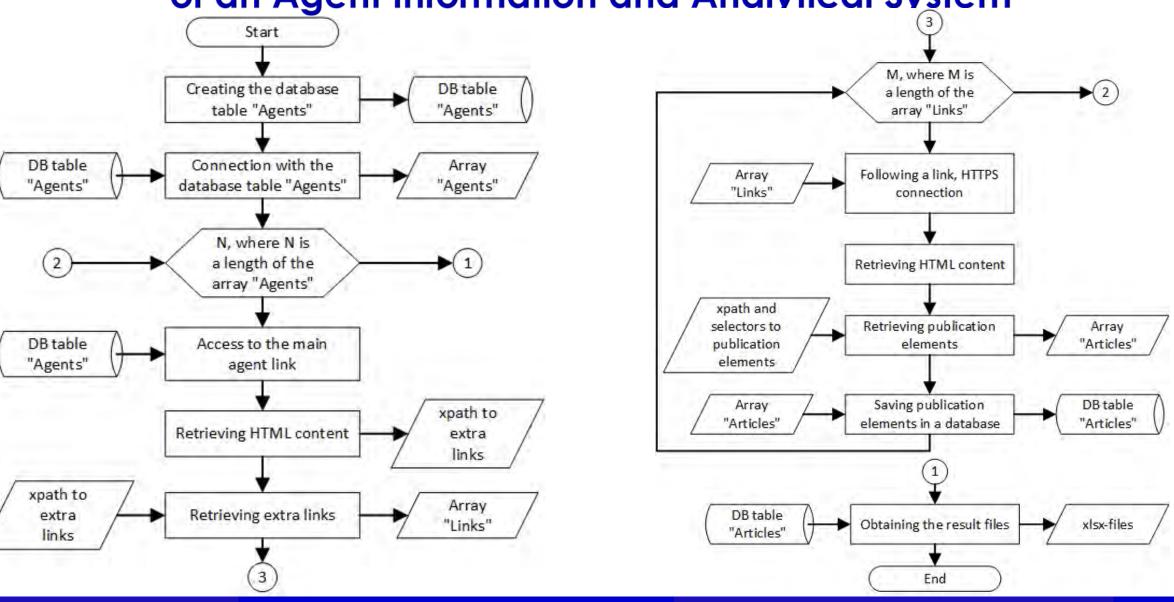
Agent Information and Analytical System

performs the following functions in automated mode:

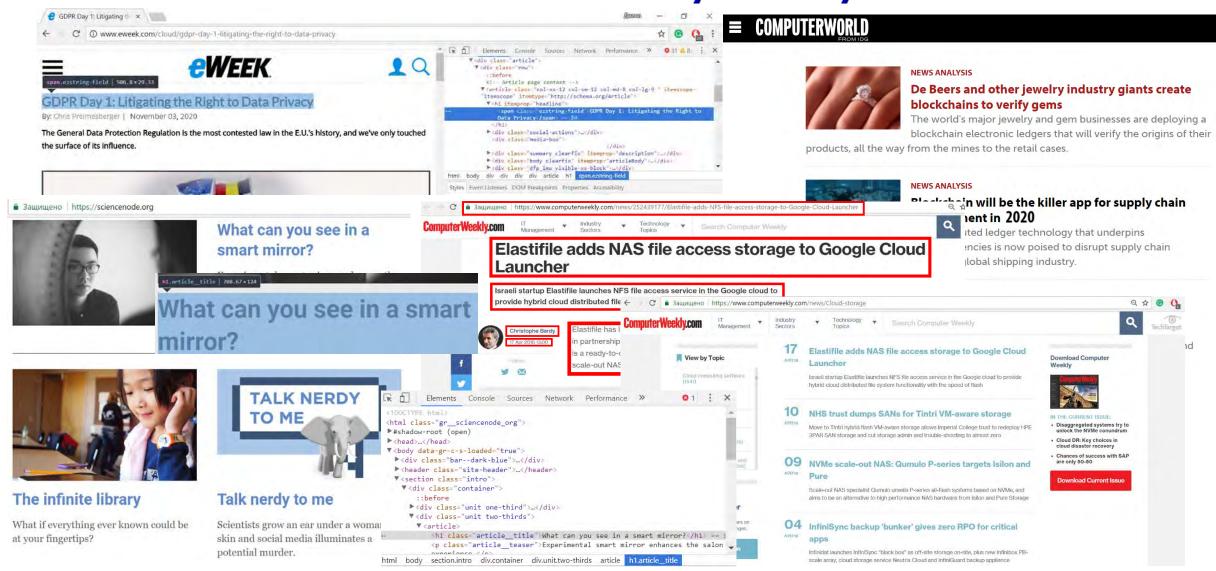
- Automatic scanning of thematic clusters of Internet;
 - Collection and delivery of news full-text information;
- Automatic output of resulting documents with extracted information.

Algorithm for Constructing

of an Agent Information and Analytical System



Constructing of an Agent Information and Analytical System



Constructing of an Agent Information and Analytical System



☐ Agents ▼									New Reco		ord Delet	
id	name	source_url	urls_query	include	exclude	title_query	date_query	abstract_query	content_query	source_query	input_datetime	status
F	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
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108	EWeekStorage	http://www.eweek.co	//div/h2/a/@			span.ezstr	div.social-acti	div.summary	div.body > p	div.social-acti		active
109	TechNewsWo	https://www.technew	//*[@class="			h1.title	div#story-byli	div#story-bod	div#story-bod	#story-byline		active
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111	TechNewsWo	https://www.technew	//*[@class="			h1.title	#story-byline	div#story-bod	div#story-bod	#story-byline		active
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114	ScienceNode	https://sciencenode.o	//*[@class="			h1.article	xpath://div[@	p.articletea	div.article-con	div.authorsi		active
22	CompWorldCl	https://www.compute	//div/h3/a/@	/article/	/video/; /	#page-wr	#page-wrapp	#page-wrapp	#drr-containe	span.fn		active
23	CompWorldVi	https://www.compute	//div/h3/a/@	/article/	/video/; /	#page-wr	#page-wrapp	#page-wrapp	#drr-containe	span.fn		active

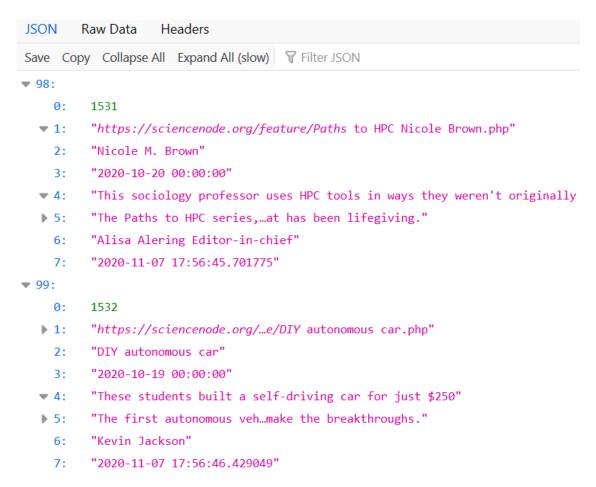
Fragment of the table "Agents"



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1532	https://scienc	DIY autonomous car	2020-10-19 0	These students bu	The first auto	Kevin Jackson	2020-11-07 1
1531	https://scienc	Nicole M. Brown	2020-10-20 0	This sociology pro	The Paths to	Alisa Alering	2020-11-07 1
1530	https://scienc	Keeping an eye on volcanoes	2020-10-21 0	Machine learning	RADAR satelli	Matt Swayne	2020-11-07 1
1529	https://scienc	Jetstream/Exosphere Hackathon	2020-10-26 0	Call for participants	October, 26,	Источник не	2020-11-07 1
1528	https://scienc	Predicting oil spills	2020-10-26 0	When oil spills int	According to t	Kimberley Ma	2020-11-07 1
1527	https://scienc	Galactic archaeology	2020-10-28 0	Examining the fos	No one has y	Jorge Salazar	2020-11-07 1
1526	https://scienc	Talk nerdy to me	2020-10-30 0	Squeezing organs,	This week we'	Alisa Alering	2020-11-07 1
1525	https://scienc	Robot captain	2020-11-02 0	This autonomous	On Septembe	Kevin Jackson	2020-11-07 1
1524	https://scienc	Timeline of a pandemic	2020-11-03 0	A genomic study c	Can you reme	Kevin Jackson	2020-11-07 1
1523	https://www.t	ANALYSIS It's Still a Young CR	None	The IDC CRM mar	TheIDCCRM	By Denis Pom	2020-11-07 1

Fragment of the table "Articles"





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5 Cloud Computing Trends in 2020 and Beyond

https://www.technewsworld.com/story/86816.html

2020-08-25 00:00:00

Cloud technology has matured substantially during the past 15 years, and now a paradigm shift is taking place, away from legacy in-house IT business services, to a cloud-first technology-driven agile workplace.

Cloud technology has matured substantially during the past 15 years, and now a paradigm shift is taking place, away from legacy in-house IT business services, to a cloud-first technology-driven agile workplace.

IaaS, SaaS, and PaaS are now seasoned and trusted technologies. AI and machine learning are helping to advance medical and scientific research, and big business relies heavily on team collaboration tools and cloud-based office suites.

The Internet of Things (IoT) is growing at an exponential rate, with some estimates suggesting that there will be more than 20 billion connected devices by the end of 2020. But what does the future look like?

Here are five trends in cloud computing for organizations to consider when plotting an IT infrastructure strategy.

By Marty Puranik • E-Commerce Times

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Thank you for your attention!

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