Министерство образования и науки Российской Федерации

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Факультет информатики

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Отчет по лабораторной работе № 1 по дисциплине

«Грид-технологии и облачные вычисления»

на тему

Реализация RSS-агрегатора.

Вариант № 1.7

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САМАРА 2014

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# Задание

Реализовать RSS агрегатор. Входные данные: набор ссылок.

# Описание предметной области

RSS - семейство XML-форматов, предназначенных для описания лент новостей, анонсов статей, изменений в блогах и т. п.

В разных версиях аббревиатура RSS имела разные расшифровки:

* Rich Site Summary (RSS 0.9x);
* RDF Site Summary (RSS 0.9 и 1.0;
* Really Simple Syndication (RSS 2.x).

## Описание формата данных

RSS - это диалект XML, поэтому любые RSS документы должны соответствовать стандарту XML 1.0. Форматы данных для различных спецификаций различаются и не являются совместимыми. В данной работе используется стандарт RSS 2.0. Он предполагает следующий формат данных:

На верхнем уровне RSS-документа находится элемент <rss>. На уровень ниже от элемента <rss> находится единожды встречающийся элемент <channel>, который содержит информацию о канале (метаданные) и о его содержании. К обязательным элементам тэга <channel>: title, link, description. Элемент <channel> может содержать любое количество элементов <item>. Эти элементы могут содержать в себе публикации целиком, или же анонсы со ссылками на полные варианты публикаций. Все вложенные элементы являются необязательными, однако хотя бы один элемент <title> или <description> должен присутствовать. Возможные элементы тэга <item>: title, link, description, author. Также возможно использование тэгов, принадлежащих какому-либо пространству имен, например <dc:author>. Данный тэг принадлежит пространству имен Dublin Core. Чтобы включить это пространство имен, необходимо добавить в тэг rss атрибут xmlns:dc=”<http://purl.org/dc/elements/1.1/>”.

Прмер файла RSS 2.0:

**<?xml** version="1.0"**?>**

**<rss** version="2.0"**>**

**<channel>**

**<title>**Liftoff News**</title>**

**<link>**http://liftoff.msfc.nasa.gov/**</link>**

**<description>**Liftoff to Space Exploration.**</description>**

**<language>**en-us**</language>**

**<pubDate>**Tue, 10 Jun 2003 04:00:00 GMT**</pubDate>**

**<lastBuildDate>**Tue, 10 Jun 2003 09:41:01 GMT**</lastBuildDate>**

**<docs>**http://blogs.law.harvard.edu/tech/rss**</docs>**

**<generator>**Weblog Editor 2.0**</generator>**

**<managingEditor>**editor@example.com**</managingEditor>**

**<webMaster>**webmaster@example.com**</webMaster>**

**<item>**

**<title>**Star City**</title>**

**<link>**http://liftoff.msfc.nasa.gov/news/2003/news-starcity.asp**</link>**

**<description>**How do Americans get ready to work with Russians aboard the

International Space Station? They take a crash course in culture, language

and protocol at Russia's Star City.**</description>**

**<pubDate>**Tue, 03 Jun 2003 09:39:21 GMT**</pubDate>**

**<guid>**http://liftoff.msfc.nasa.gov/2003/06/03.html#item573**</guid>**

**</item>**

**<item>**

**<title>**Space Exploration**</title>**

**<link>**http://liftoff.msfc.nasa.gov/**</link>**

**<description>**Sky watchers in Europe, Asia, and parts of Alaska and Canada

will experience a partial eclipse of the Sun on Saturday, May 31st.**</description>**

**<pubDate>**Fri, 30 May 2003 11:06:42 GMT**</pubDate>**

**<guid>**http://liftoff.msfc.nasa.gov/2003/05/30.html#item572**</guid>**

**</item>**

**</channel>**

**</rss>**

# Описание алгоритма

Программа выполнена в виде последовательности операторов.

Оператор RSSReaderInput считывает файл, и передает в выходной поток кортежи, которые содержат ссылку на RSS-feed, его название, и кол-во элементов, которые необходимо загрузить.

Оператор RSSReaderOutput принимает входной поток от RSSReaderInput. Данный оператор представляет собой java-класс, унаследованный от класса AbstractOperator. Метод process данного класса имеет своим входным параметром кортеж. Из кортежа извлекается ссылка на RSS-feed, скачивается информация по данной ссылке. Строится дерево dom-объектов по полученным данным. На основе данных, полученных из элемента <item> формируются кортежи и записываются в выходной поток.

Оператор RSSReaderOutput2 принимает входной поток от RSSReaderOutput, логирует в консоль полученные данные, а также записывает их в выходной поток.

Оператор RSSResults принимает входной поток от RSSReaderOutput2 и записывает полученные данные в файл.

На рис. 1 изображено графическое представление данной программы в графическом режиме редактирования в среде InfoSphere Streams Studio.

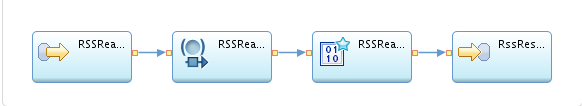


Рис. 1

# Пример работы программы

## Входные данные

0,CNN,http://rss.cnn.com/rss/cnn\_topstories.rss,5

0,NY Times,http://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml,5

0,NPR TOPICS,http://www.npr.org/rss/rss.php?id=1001,5

0,AP Top News,http://hosted.ap.org/lineups/USHEADS-rss\_2.0.xml?SITE=SCAND&SECTION=HOME,5

## Выходные данные

"CNN","http://rss.cnn.com/rss/cnn\_topstories.rss",5,true,{"Publish Date: Mon, 22 Dec 2014 21:24:41 EST","Author: ","Link: http://rss.cnn.com/~r/rss/cnn\_topstories/~3/rAOZIJdQREc/dnt-wi-sailor-surprises-mom.wfrv.html","Title: Mom had no idea son would do this","Description: A Wisconsin mom got the surprise of her life when her son walked in to a restaurant where she was eating. WFRV reports.<div class=\"feedflare\">\n<a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=rAOZIJdQREc:Az4pc9\_Ruq0:yIl2AUoC8zA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=yIl2AUoC8zA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=rAOZIJdQREc:Az4pc9\_Ruq0:7Q72WNTAKBA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=7Q72WNTAKBA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=rAOZIJdQREc:Az4pc9\_Ruq0:V\_sGLiPBpWU\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=rAOZIJdQREc:Az4pc9\_Ruq0:V\_sGLiPBpWU\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=rAOZIJdQREc:Az4pc9\_Ruq0:qj6IDK7rITs\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=qj6IDK7rITs\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=rAOZIJdQREc:Az4pc9\_Ruq0:gIN9vFwOqvQ\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=rAOZIJdQREc:Az4pc9\_Ruq0:gIN9vFwOqvQ\" border=\"0\"></img></a>\n</div><img src=\"//feeds.feedburner.com/~r/rss/cnn\_topstories/~4/rAOZIJdQREc\" height=\"1\" width=\"1\" alt=\"\"/>"}

"CNN","http://rss.cnn.com/rss/cnn\_topstories.rss",5,true,{"Publish Date: Mon, 22 Dec 2014 18:41:12 EST","Description: A number of people have died after a rubbish truck collided with pedestrians in the center of the Scottish city of Glasgow, police say.<div class=\"feedflare\">\n<a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=w2TKWpwWk1w:0rWJOUzu0pg:yIl2AUoC8zA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=yIl2AUoC8zA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=w2TKWpwWk1w:0rWJOUzu0pg:7Q72WNTAKBA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=7Q72WNTAKBA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=w2TKWpwWk1w:0rWJOUzu0pg:V\_sGLiPBpWU\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=w2TKWpwWk1w:0rWJOUzu0pg:V\_sGLiPBpWU\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=w2TKWpwWk1w:0rWJOUzu0pg:qj6IDK7rITs\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=qj6IDK7rITs\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=w2TKWpwWk1w:0rWJOUzu0pg:gIN9vFwOqvQ\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=w2TKWpwWk1w:0rWJOUzu0pg:gIN9vFwOqvQ\" border=\"0\"></img></a>\n</div><img src=\"//feeds.feedburner.com/~r/rss/cnn\_topstories/~4/w2TKWpwWk1w\" height=\"1\" width=\"1\" alt=\"\"/>","Author: ","Title: Garbage truck kills pedestrians","Link: http://rss.cnn.com/~r/rss/cnn\_topstories/~3/w2TKWpwWk1w/index.html"}

"CNN","http://rss.cnn.com/rss/cnn\_topstories.rss",5,true,{"Link: http://rss.cnn.com/~r/rss/cnn\_topstories/~3/4hlTAAAI88M/index.html","Title: How U.S. helped spy's wife get pregnant","Publish Date: Mon, 22 Dec 2014 13:10:34 EST","Author: ","Description: It might be the most bizarre of the closely guarded secrets from last week's historic agreement between the United States and Cuba.<div class=\"feedflare\">\n<a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=4hlTAAAI88M:TBTPQnKvLq8:yIl2AUoC8zA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=yIl2AUoC8zA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=4hlTAAAI88M:TBTPQnKvLq8:7Q72WNTAKBA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=7Q72WNTAKBA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=4hlTAAAI88M:TBTPQnKvLq8:V\_sGLiPBpWU\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=4hlTAAAI88M:TBTPQnKvLq8:V\_sGLiPBpWU\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=4hlTAAAI88M:TBTPQnKvLq8:qj6IDK7rITs\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=qj6IDK7rITs\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=4hlTAAAI88M:TBTPQnKvLq8:gIN9vFwOqvQ\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=4hlTAAAI88M:TBTPQnKvLq8:gIN9vFwOqvQ\" border=\"0\"></img></a>\n</div><img src=\"//feeds.feedburner.com/~r/rss/cnn\_topstories/~4/4hlTAAAI88M\" height=\"1\" width=\"1\" alt=\"\"/>"}

"CNN","http://rss.cnn.com/rss/cnn\_topstories.rss",5,true,{"Description: While veterans in recent years were dying as they waited for care at Department of Veterans Affairs hospitals, the VA has wasted billions of taxpayer dollars on controversial projects across the country, according to government reports and members of Congress.<div class=\"feedflare\">\n<a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=1-5-RqWIloo:e7AR7nricLw:yIl2AUoC8zA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=yIl2AUoC8zA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=1-5-RqWIloo:e7AR7nricLw:7Q72WNTAKBA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=7Q72WNTAKBA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=1-5-RqWIloo:e7AR7nricLw:V\_sGLiPBpWU\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=1-5-RqWIloo:e7AR7nricLw:V\_sGLiPBpWU\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=1-5-RqWIloo:e7AR7nricLw:qj6IDK7rITs\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=qj6IDK7rITs\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=1-5-RqWIloo:e7AR7nricLw:gIN9vFwOqvQ\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=1-5-RqWIloo:e7AR7nricLw:gIN9vFwOqvQ\" border=\"0\"></img></a>\n</div><img src=\"//feeds.feedburner.com/~r/rss/cnn\_topstories/~4/1-5-RqWIloo\" height=\"1\" width=\"1\" alt=\"\"/>","Author: ","Title: Reports: VA projects lost billions","Link: http://rss.cnn.com/~r/rss/cnn\_topstories/~3/1-5-RqWIloo/index.html","Publish Date: Tue, 23 Dec 2014 03:32:30 EST"}

"CNN","http://rss.cnn.com/rss/cnn\_topstories.rss",5,true,{"Title: ISIS: 'Slavery signals progress'","Author: ","Publish Date: Tue, 23 Dec 2014 00:17:40 EST","Link: http://rss.cnn.com/~r/rss/cnn\_topstories/~3/wYq\_P3zfmkY/index.html","Description: Juergen Todenhoefer's journey inside ISIS territory was eye-opening. The journalist talked with fighters, ISIS prisoners and children brandishing AK-47s.<div class=\"feedflare\">\n<a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=wYq\_P3zfmkY:OL9CJg5TtgA:yIl2AUoC8zA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=yIl2AUoC8zA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=wYq\_P3zfmkY:OL9CJg5TtgA:7Q72WNTAKBA\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=7Q72WNTAKBA\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=wYq\_P3zfmkY:OL9CJg5TtgA:V\_sGLiPBpWU\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=wYq\_P3zfmkY:OL9CJg5TtgA:V\_sGLiPBpWU\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=wYq\_P3zfmkY:OL9CJg5TtgA:qj6IDK7rITs\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?d=qj6IDK7rITs\" border=\"0\"></img></a> <a href=\"http://rss.cnn.com/~ff/rss/cnn\_topstories?a=wYq\_P3zfmkY:OL9CJg5TtgA:gIN9vFwOqvQ\"><img src=\"http://feeds.feedburner.com/~ff/rss/cnn\_topstories?i=wYq\_P3zfmkY:OL9CJg5TtgA:gIN9vFwOqvQ\" border=\"0\"></img></a>\n</div><img src=\"//feeds.feedburner.com/~r/rss/cnn\_topstories/~4/wYq\_P3zfmkY\" height=\"1\" width=\"1\" alt=\"\"/>"}

"NY Times","http://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml",5,true,{"Description: A look at some of the questions and the strong opinions that have emerged since the so-called Guardians of Peace made its massive cyberattack on Sony.<img width='1' height='1' src='http://rss.nytimes.com/c/34625/f/640350/s/41b1e053/sc/28/mf.gif' border='0'/><br clear='all'/><br/><br/><a href=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/rc/1/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/rc/1/rc.img\" border=\"0\"/></a><br/><a href=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/rc/2/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/rc/2/rc.img\" border=\"0\"/></a><br/><a href=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/rc/3/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/rc/3/rc.img\" border=\"0\"/></a><br/><br/><a href=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/a2.htm\"><img src=\"http://da.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/a2.img\" border=\"0\"/></a><img width=\"1\" height=\"1\" src=\"http://pi.feedsportal.com/r/216443179560/u/89/f/640350/c/34625/s/41b1e053/sc/28/a2t.img\" border=\"0\"/>","Publish Date: Tue, 23 Dec 2014 03:10:39 GMT","Title: Public Editor's Journal: Sony Emails, Free Speech — and Trying a Little ‘F2F’","Author: By MARGARET SULLIVAN","Link: http://rss.nytimes.com/c/34625/f/640350/s/41b1e053/sc/28/l/0Lpubliceditor0Bblogs0Bnytimes0N0C20A140C120C220Csony0Eemails0Efree0Espeech0Eand0Etrying0Ea0Elittle0Ef2f0C0Dpartner0Frss0Gemc0Frss/story01.htm"}

"NY Times","http://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml",5,true,{"Link: http://rss.nytimes.com/c/34625/f/640350/s/41b406dd/sc/39/l/0L0Snytimes0N0C20A140C120C230Cworld0Casia0Cunited0Enations0Esecurity0Ecouncil0Eexamines0Enorth0Ekoreas0Ehuman0Erights0Bhtml0Dpartner0Frss0Gemc0Frss/story01.htm","Publish Date: Tue, 23 Dec 2014 02:18:44 GMT","Description: North Korea chose not to speak at the Council briefing, which focused largely on a United Nations inquiry that had found widespread and systematic human rights abuses.<img width='1' height='1' src='http://rss.nytimes.com/c/34625/f/640350/s/41b406dd/sc/39/mf.gif' border='0'/><br clear='all'/>","Title: United Nations Security Council Examines North Korea’s Human Rights","Author: By SOMINI SENGUPTA"}

"NY Times","http://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml",5,true,{"Publish Date: Tue, 23 Dec 2014 02:17:11 GMT","Description: A federal judge ruled that the use of the sedative midazolam did not amount to an experiment on human subjects.<img width='1' height='1' src='http://rss.nytimes.com/c/34625/f/640350/s/41b38165/sc/7/mf.gif' border='0'/><br clear='all'/><br/><br/><a href=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/rc/1/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/rc/1/rc.img\" border=\"0\"/></a><br/><a href=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/rc/2/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/rc/2/rc.img\" border=\"0\"/></a><br/><a href=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/rc/3/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/rc/3/rc.img\" border=\"0\"/></a><br/><br/><a href=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/a2.htm\"><img src=\"http://da.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/a2.img\" border=\"0\"/></a><img width=\"1\" height=\"1\" src=\"http://pi.feedsportal.com/r/216443140822/u/89/f/640350/c/34625/s/41b38165/sc/7/a2t.img\" border=\"0\"/>","Author: By ERIK ECKHOLM","Link: http://rss.nytimes.com/c/34625/f/640350/s/41b38165/sc/7/l/0L0Snytimes0N0C20A140C120C230Cus0Cafter0Ebotched0Eexecution0Eoklahoma0Eto0Eresume0Elethal0Einjections0Bhtml0Dpartner0Frss0Gemc0Frss/story01.htm","Title: After Botched Execution, Oklahoma Is to Resume Lethal Injections"}

"NY Times","http://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml",5,true,{"Title: North Korea Loses Its Link to the Internet","Publish Date: Tue, 23 Dec 2014 02:03:23 GMT","Description: While perhaps a coincidence, the failure, which lasted about 10 hours, began after President Obama said the U.S. would respond to an act of “cybervandalism” against Sony Pictures.<img width='1' height='1' src='http://rss.nytimes.com/c/34625/f/640350/s/41b142af/sc/1/mf.gif' border='0'/><br clear='all'/><br/><br/><a href=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/rc/1/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/rc/1/rc.img\" border=\"0\"/></a><br/><a href=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/rc/2/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/rc/2/rc.img\" border=\"0\"/></a><br/><a href=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/rc/3/rc.htm\" rel=\"nofollow\"><img src=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/rc/3/rc.img\" border=\"0\"/></a><br/><br/><a href=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/a2.htm\"><img src=\"http://da.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/a2.img\" border=\"0\"/></a><img width=\"1\" height=\"1\" src=\"http://pi.feedsportal.com/r/216443131945/u/89/f/640350/c/34625/s/41b142af/sc/1/a2t.img\" border=\"0\"/>","Link: http://rss.nytimes.com/c/34625/f/640350/s/41b142af/sc/1/l/0L0Snytimes0N0C20A140C120C230Cworld0Casia0Cattack0Eis0Esuspected0Eas0Enorth0Ekorean0Einternet0Ecollapses0Bhtml0Dpartner0Frss0Gemc0Frss/story01.htm","Author: By NICOLE PERLROTH and DAVID E. SANGER"}

"NY Times","http://rss.nytimes.com/services/xml/rss/nyt/HomePage.xml",5,true,{"Author: By HELENE COOPER","Title: Cliff Sloan, Guantánamo Envoy, Quits Amid Delays in Prisoner Releases","Description: Mr. Sloan, the envoy who negotiates detainee transfers from the military prison at Guantánamo Bay, is resigning, dealing another blow to efforts to close the facility.<img width='1' height='1' src='http://rss.nytimes.com/c/34625/f/640350/s/41b33a21/sc/24/mf.gif' border='0'/><br clear='all'/>","Publish Date: Tue, 23 Dec 2014 01:58:33 GMT","Link: http://rss.nytimes.com/c/34625/f/640350/s/41b33a21/sc/24/l/0L0Snytimes0N0C20A140C120C230Cus0Cpolitics0Cguantnamo0Eenvoy0Ecliff0Esloan0Equits0Eamid0Edelays0Ein0Eprisoner0Ereleases0Bhtml0Dpartner0Frss0Gemc0Frss/story01.htm"}

"NPR TOPICS","http://www.npr.org/rss/rss.php?id=1001",5,true,{"Author: NPR Staff","Link: http://www.npr.org/2014/12/23/371479848/a-vital-chapter-of-american-history-on-film-in-selma?utm\_medium=RSS&utm\_campaign=news","Title: A Vital Chapter Of American History On Film In 'Selma'","Publish Date: Tue, 23 Dec 2014 03:30:00 -0500","Description: Director Ava DuVernay speaks to NPR's Michele Norris about making <em>Selma</em>, a searing depiction of the battle for voting rights — and the first major movie about the life of Dr. Martin Luther King, Jr."}

"NPR TOPICS","http://www.npr.org/rss/rss.php?id=1001",5,true,{"Title: Baby Thrives Once 3D-Printed Windpipe Helps Him Breathe","Publish Date: Tue, 23 Dec 2014 03:29:00 -0500","Link: http://www.npr.org/blogs/health/2014/12/23/370381866/baby-thrives-once-3d-printed-windpipe-helps-him-breathe?utm\_medium=RSS&utm\_campaign=news","Author: Rob Stein","Description: Michigan doctors used 3D printing to custom make a splint to prop open Garrett Peterson's defective windpipe last January. He's home with his parents this Christmas, as \"normal life\" begins."}

"NPR TOPICS","http://www.npr.org/rss/rss.php?id=1001",5,true,{"Title: Reporter Offers Free Cab Rides For Stories From 'Streets of Shanghai'","Description: NPR Shanghai correspondent Frank Langfitt once drove a taxi. He's gone back to his former job, offering free rides around Shanghai in exchange for stories about one of the world's most dynamic cities.","Publish Date: Tue, 23 Dec 2014 03:24:00 -0500","Link: http://www.npr.org/blogs/parallels/2014/12/23/369636669/reporter-offers-free-cab-rides-for-stories-from-streets-of-shanghai?utm\_medium=RSS&utm\_campaign=news","Author: Frank Langfitt"}

"NPR TOPICS","http://www.npr.org/rss/rss.php?id=1001",5,true,{"Publish Date: Tue, 23 Dec 2014 03:19:00 -0500","Link: http://www.npr.org/2014/12/23/371948377/california-dmv-prepares-for-undocumented-residents-applying-for-licenses?utm\_medium=RSS&utm\_campaign=news","Author: Nathan Rott","Title: California DMV Prepares For Undocumented Residents Applying For Licenses","Description: The state is expecting 1.6 million undocumented immigrants to apply for driver's licenses when a new law takes effect Jan. 1. The DMV is adding 800 employees to help handle the influx."}

"NPR TOPICS","http://www.npr.org/rss/rss.php?id=1001",5,true,{"Publish Date: Mon, 22 Dec 2014 23:08:00 -0500","Author: The Associated Press","Title: Mexican Police Helped Cartel Massacre 193 Migrants, Documents Show","Description: Members of the Zeta cartel, which was fighting for control of regional human trafficking networks, told prosecutors 18 officers worked as lookouts, as well as turning a blind eye to cartel activity.","Link: http://www.npr.org/2014/12/22/372579429/mexican-police-helped-cartel-massacre-193-migrants-documents-show?utm\_medium=RSS&utm\_campaign=news"}

"AP Top News","http://hosted.ap.org/lineups/USHEADS-rss\_2.0.xml?SITE=SCAND&SECTION=HOME",5,true,{"Link: http://hosted.ap.org/dynamic/stories/U/US\_NYPD\_OFFICERS\_SHOT?SITE=SCAND&SECTION=HOME&TEMPLATE=DEFAULT","Title: Battered NY mayor calls for temporary protest halt","Publish Date: Tue, 23 Dec 2014 03:39:15 GMT","Description: NEW YORK (AP) -- As the New York Police Department mourns two of its own, Mayor Bill de Blasio pleaded for a pause in protests and rancor amid a widening rift with those in a grieving force who accuse him of creating a climate of mistrust that contributed to the killings of two officers....","Author: By JONATHAN LEMIRE and COLLEEN LONG"}

"AP Top News","http://hosted.ap.org/lineups/USHEADS-rss\_2.0.xml?SITE=SCAND&SECTION=HOME",5,true,{"Publish Date: Tue, 23 Dec 2014 06:50:46 GMT","Title: NY police union leader well known for his bite","Description: NEW YORK (AP) -- Patrick Lynch was hollering....","Link: http://hosted.ap.org/dynamic/stories/U/US\_NYPD\_OFFICERS\_SHOT\_UNION\_LEADER?SITE=SCAND&SECTION=HOME&TEMPLATE=DEFAULT","Author: By COLLEEN LONG"}

"AP Top News","http://hosted.ap.org/lineups/USHEADS-rss\_2.0.xml?SITE=SCAND&SECTION=HOME",5,true,{"Title: Key developments in case of 2 slain NYPD officers","Link: http://hosted.ap.org/dynamic/stories/U/US\_NYPD\_OFFICERS\_SHOT\_DEVELOPMENTS?SITE=SCAND&SECTION=HOME&TEMPLATE=DEFAULT","Publish Date: Tue, 23 Dec 2014 07:07:01 GMT","Description: New York police Officers Wenjian Liu and Rafael Ramos were ambushed Saturday by Ismaaiyl Brinsley, the final act in a rampage that began when he shot and wounded his ex-girlfriend at her home outside Baltimore, then made threatening posts online, including a vow to put \"wings on pigs\" and references to high-profile cases of white police officers killing unarmed black men. After shooting the officers, Brinsley ran into a subway station and committed suicide....","Author: By The Associated Press"}

"AP Top News","http://hosted.ap.org/lineups/USHEADS-rss\_2.0.xml?SITE=SCAND&SECTION=HOME",5,true,{"Title: North Korea Internet outage in wake of Sony attack over","Link: http://hosted.ap.org/dynamic/stories/U/US\_SONY\_HACK\_NORTH\_KOREA\_OUTAGE?SITE=SCAND&SECTION=HOME&TEMPLATE=DEFAULT","Publish Date: Tue, 23 Dec 2014 04:02:37 GMT","Description: WASHINGTON (AP) -- North Korea experienced sweeping Internet outages for hours before coming back online late Monday. One computer expert said the country's online access was \"totally down.\"...","Author: By ERIC TUCKER"}

"AP Top News","http://hosted.ap.org/lineups/USHEADS-rss\_2.0.xml?SITE=SCAND&SECTION=HOME",5,true,{"Link: http://hosted.ap.org/dynamic/stories/U/US\_KILLINGS\_BY\_POLICE\_MILWAUKEE?SITE=SCAND&SECTION=HOME&TEMPLATE=DEFAULT","Description: MILWAUKEE (AP) -- Family members of a Milwaukee man a city police officer shot and killed say they aren't giving up hope that the officer will be charged....","Author: By TODD RICHMOND","Title: Family looks to federal investigation in Milwaukee shooting","Publish Date: Tue, 23 Dec 2014 07:39:36 GMT"}