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CONGRESO NACIONAL DE MEDICIÓN Y ESTIMACIÓN DE SOFTWARE



Current acceptance of the COSMIC method and future developments

Frank Vogelezang
President

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No hablo Español



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Camarón que se duerme . . .



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In the beginning



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```
78 $SESSION['CAPTCHA_CONFIG'] = serialize($captcha_config);
79
80
81
82
83
84 );
85 }
86
87
88 if( !function_exists('hex2rgb') ) {
89     function hex2rgb($hex_str, $return_string = false, $separator = ',') {
90         $hex_str = preg_replace("/^[^0-9A-Fa-f]/", '', $hex_str); // Gets a proper hex string
91         $rgb_array = array();
92         if( strlen($hex_str) == 6 ) {
93             $color_val = hexdec($hex_str);
94             $rgb_array['r'] = 0xFF & ($color_val >> 0x10);
95             $rgb_array['g'] = 0xFF & ($color_val >> 0x8);
96             $rgb_array['b'] = 0xFF & $color_val;
97         } elseif( strlen($hex_str) == 3 ) {
98             $rgb_array['r'] = hexdec(str_repeat(substr($hex_str, 0, 1), 2));
99             $rgb_array['g'] = hexdec(str_repeat(substr($hex_str, 1, 1), 2));
100             $rgb_array['b'] = hexdec(str_repeat(substr($hex_str, 2, 1), 2));
101         } else {
102             return false;
103         }
104     }
105     return $return_string ? implode($separator, $rgb_array) : $rgb_array;
106 }
107
```

Lines of code



First generation FSM



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One size fits all



Low complexity

Average complexity

High complexity



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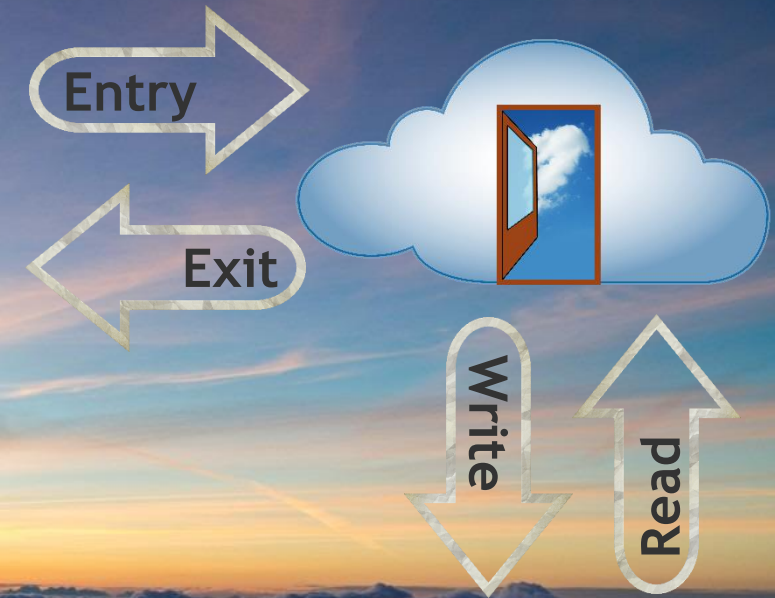


Second generation FSM



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Simple **PRINCIPLES**
instead of complex **RULES**



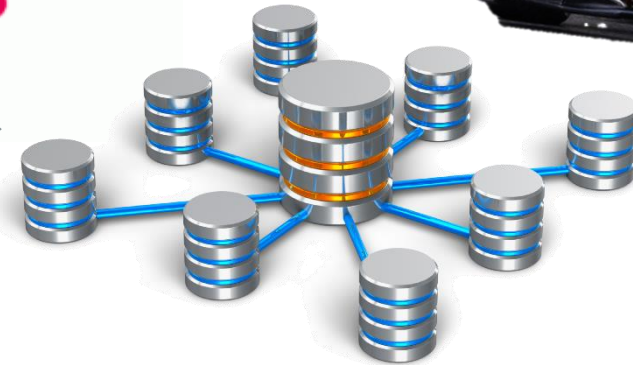
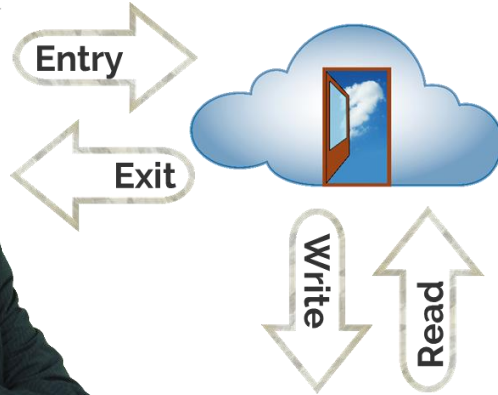
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A mature method



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Gaining acceptance



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Use COSMIC as a contract base
for software outsourcing

© Zakład Ubezpieczeń Społecznych



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The motor of success



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Use COSMIC in supplier contracts and monitoring

RENAULT

Office 365

ELYSIUM



© APL Footwear



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Government push

软件工程与质量论坛



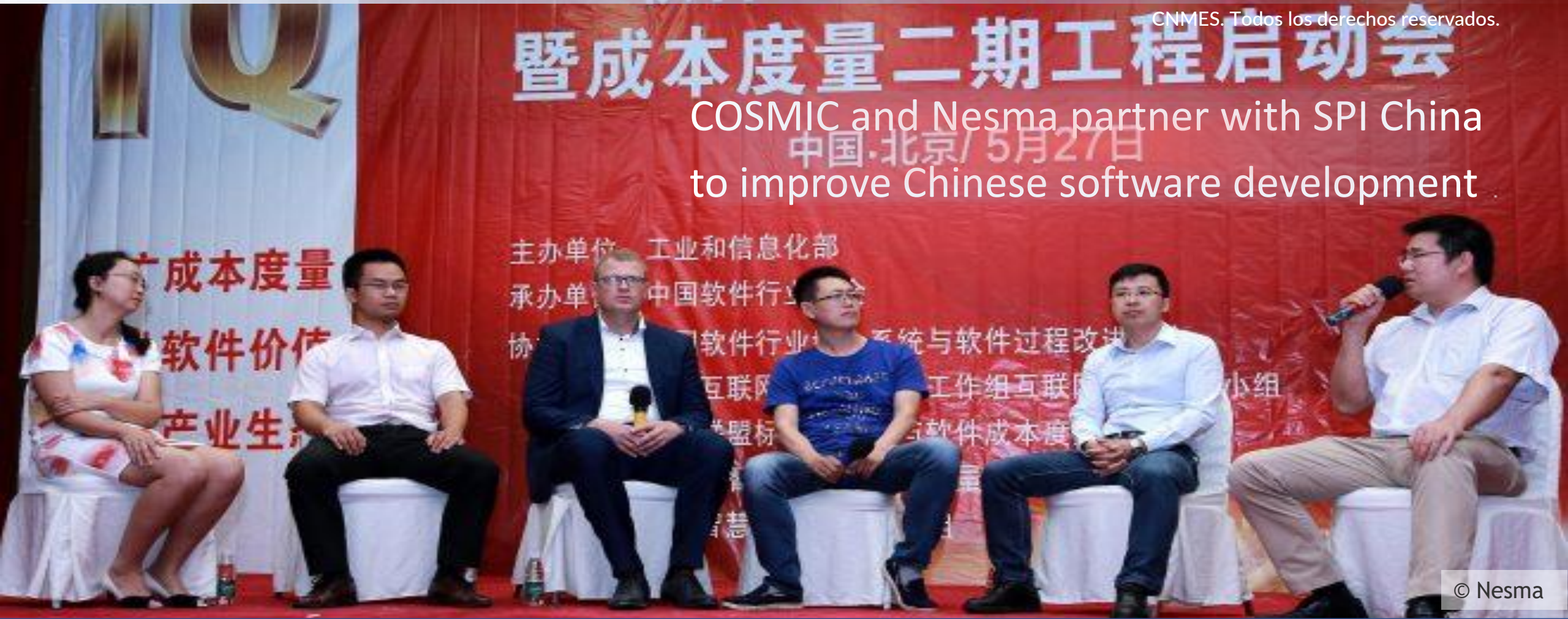
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暨成本度量二期工程启动会

COSMIC and Nesma partner with SPI China to improve Chinese software development

中国·北京/5月27日

主办单位：工业和信息化部
承办单位：中国软件行业协会
协办单位：中国软件行业协会系统与软件过程改进工作组、中国互联网协会互联网工作组、中国互联网协会互联网应用工作组、中国互联网协会互联网应用工作组、中国互联网协会互联网应用工作组



© Nesma



Government push?



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Threats to acceptance



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Immature software project management



Lack of benchmark data

surveymonkey.com/r/COSMIC-DCQ



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Start small



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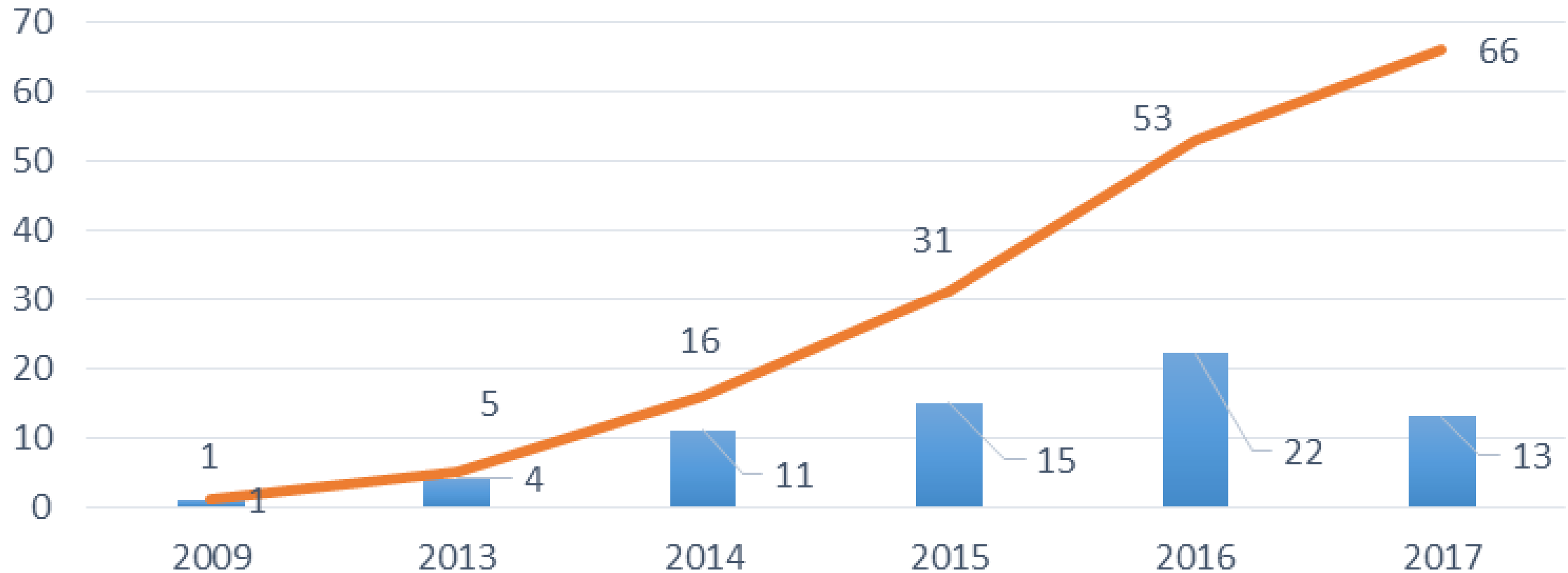
Analyze 5-10 past projects to build your own model
Use external help to build the model



The right direction



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COSMIC Certified Practitioners in Mexico



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FUTURO

Demistify agile estimation



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Early estimation

Well-prepared budget decisions



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Average functional process



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Know the slice

Estimate the whole pizza



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Fixed size classification

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Define small, medium and large
in your organization



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Patterns



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Recognize pieces of functionality sized before

Speed up the sizing process

Build up more patterns for future sizing



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Automation



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Working solutions from (structured) documentation

Research prototypes from natural language documents

Research initiatives from software code



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More information on COSMIC




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COSMIC standards (5)

-  [Measurement Manual 4.0.1](#)
-  [MUB 14 Definition of triggering Entry](#)
-  [MUB 13 Improvements for identifying objects of interest](#)

Standards – translations (11)

-  [Manual de Medición – Spanish 4.0.1](#)
-  [度量手册 – Chinese 4.0.1](#)
-  [Manuel de mesurage – French 4.0.1](#)

Method Overview (11)




-  [Quick Reference Guide for Real-Time Software](#)
-  [Quick Reference Guide for Business Application Software v1.0.1](#)
-  [Introduction à la méthode de mesurage des logiciels COSMIC](#)

Method Update Bulletins (2)




-  [MUB 14 Definition of triggering Entry](#)
-  [MUB 13 Improvements for identifying objects of interest](#)

cosmic-sizing.org

Guidelines (13)

-  [Guideline for Sizing Real-time Software](#)
-  [Guideline on Non-Functional & Project Requirements](#)
-  [Guideline for Early or Rapid COSMIC FSM](#)

Case Studies (10)

-  [ACME Car Hire Case Study v1.0](#)
-  [Course Registration \('C-REG'\) System Case Study](#)
-  [Rice Cooker Case Study v2.0](#)



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A good excuse to come to Europe



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iwsm-mensura.org

October 24-26
Gothenburg - Sweden



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Question space



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