

InfiniteDATA

Automate NOW!



Presentation

November 2019



Who we are...



Facts

- Founded in 2010 in Warsaw, Poland
- In 2012 released Schedule/N® Workload Scheduling and Automation
- June 2019 3rd generation was introduced and renamed for AutomateNOW!

Experience

- Team of professionals +15 yrs experience in Information Delivery (DW/BI)
- Gathered in leading global data warehousing practices of Hewlett-Packard, IBM, Teradata, Oracle, Accenture and BMC

Focus

- Information Delivery is our passion
- We help Clients optimizing information delivery processes to support business decisions better.

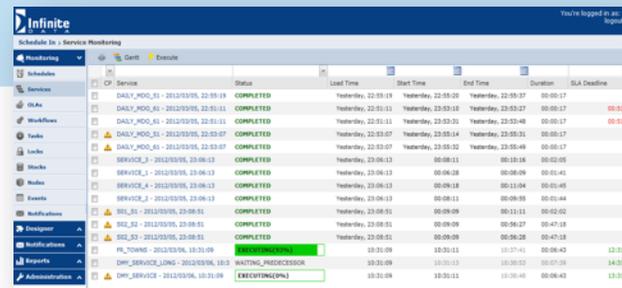
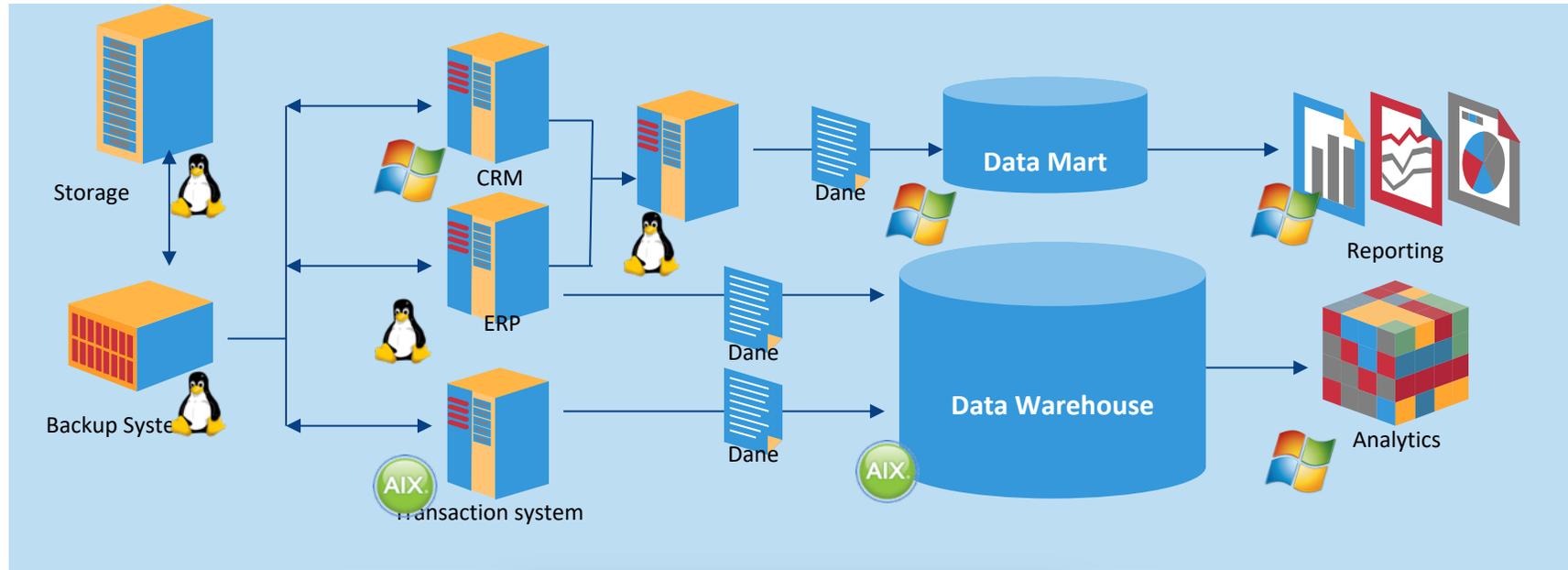


Schedule/IN[®]

- Schedule/IN[®] is the **Enterprise Workload Scheduling and Automation System** with focus on data processing and information delivery.
- Allows to build, run, monitor and manage workloads across a heterogeneous environment of the enterprise.
- Provides SINGLE POINT OF CONTROL across all Information Delivery platforms.
- Recognized as Value Leader for EMA WLA Report Q4 2019, among BMC Control-M, Broadcom Automic and Stonebranch.



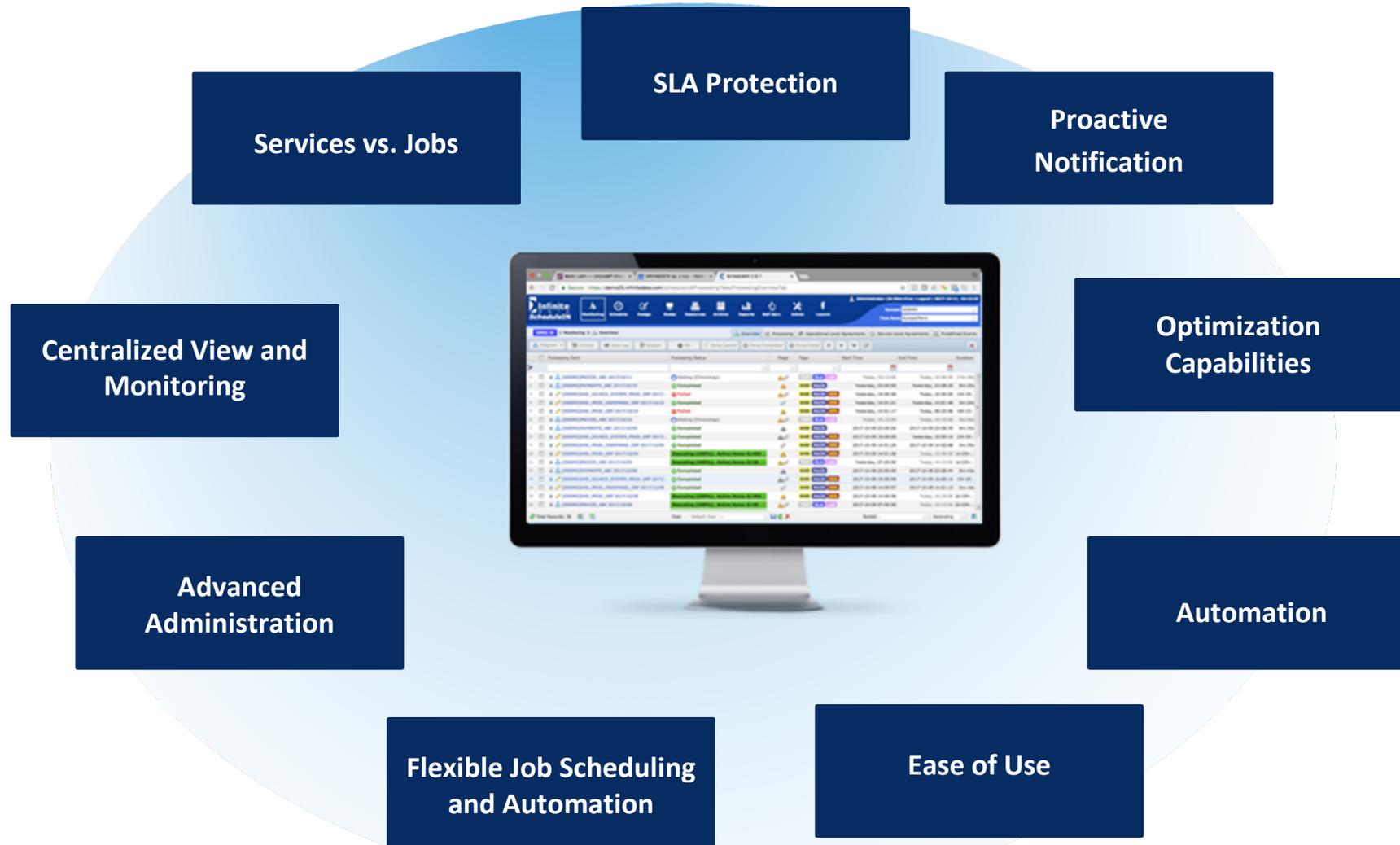
Enterprise capabilities



The screenshot shows the Infinite Service Monitoring interface. It displays a table of service monitoring data with columns for Service, Status, Load Time, Start Time, End Time, Duration, and SLA Deadline. The table lists various services such as CP, SRA, Workflow, Leds, Sheds, and Events, along with their respective completion times and SLA deadlines.

Service	Status	Load Time	Start Time	End Time	Duration	SLA Deadline
CP	COMPLETED	Yesterday, 22:55:19	Yesterday, 22:55:20	Yesterday, 22:55:37	00:00:17	
SRA	COMPLETED	Yesterday, 22:51:11	Yesterday, 22:53:10	Yesterday, 22:53:27	00:00:17	00:01:11
Workflow	COMPLETED	Yesterday, 22:51:11	Yesterday, 22:53:10	Yesterday, 22:53:48	00:00:17	00:01:11
Leds	COMPLETED	Yesterday, 22:53:07	Yesterday, 22:55:14	Yesterday, 22:55:31	00:00:17	
Sheds	COMPLETED	Yesterday, 22:53:07	Yesterday, 22:55:02	Yesterday, 22:55:49	00:00:17	
Events	COMPLETED	Yesterday, 22:06:13	00:06:11	00:06:16	00:02:05	
CP	COMPLETED	Yesterday, 22:06:13	00:06:28	00:06:09	00:01:40	
SRA	COMPLETED	Yesterday, 22:06:13	00:06:18	00:06:04	00:01:45	
Workflow	COMPLETED	Yesterday, 22:06:13	00:06:11	00:06:05	00:01:44	
Events	COMPLETED	Yesterday, 22:06:13	00:06:11	00:06:09	00:01:11	00:02:02
CP	COMPLETED	Yesterday, 22:06:13	00:06:09	00:06:27	00:01:18	
SRA	COMPLETED	Yesterday, 22:06:13	00:06:09	00:06:28	00:01:18	
Workflow	COMPLETED	10:31:09	10:31:11	10:31:41	00:06:43	12:31:09
Events	COMPLETED	10:31:09	10:31:11	10:31:51	00:01:50	14:31:09
CP	EXECUTING(0%)	10:31:09	10:31:11	10:31:44	00:06:43	13:31:09

Schedule/N[®] introduces new philosophy



Functional Capabilities



- **Flexible Job Automation**

- Automation based scheduling, dependencies, calendar, events.

- **Single Point of Control**

- One system to define, monitor, control, manage and integrate heterogenic workloads.

- **Critical Path Analysis**

- Ability to monitor and manage the critical processes and bottlenecks.

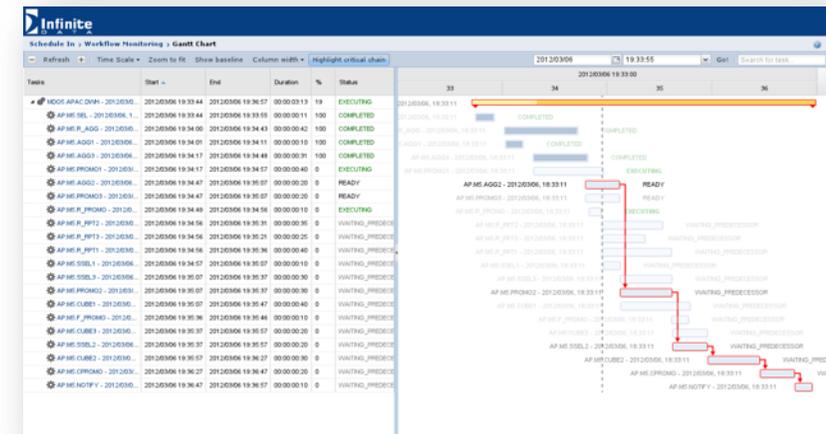
- **Processing Forecasting**

- Now your baseline and estimated time to complete.

- **SLA Protection**

- Track both OLA and SLA commitments. Provides notifications, reporting and analysis.

Services	Status	Load Time	Start Time	End Time	Duration	SLA Deadline
CP Service	COMPLETED	Yesterday, 22:55:19	Yesterday, 22:55:20	Yesterday, 22:55:27	00:00:17	
DAILY_MDO_51 - 2012/03/05, 22:55:19	COMPLETED	Yesterday, 22:55:11	Yesterday, 23:53:10	Yesterday, 23:53:27	00:00:17	00:51:11
DAILY_MDO_61 - 2012/03/05, 22:51:11	COMPLETED	Yesterday, 22:51:11	Yesterday, 23:53:31	Yesterday, 23:53:48	00:00:17	00:51:11
DAILY_MDO_51 - 2012/03/05, 22:53:07	COMPLETED	Yesterday, 22:53:07	Yesterday, 23:55:14	Yesterday, 23:55:31	00:00:17	
DAILY_MDO_61 - 2012/03/05, 22:53:07	COMPLETED	Yesterday, 22:53:07	Yesterday, 23:55:32	Yesterday, 23:55:49	00:00:17	
SERVICE_3 - 2012/03/05, 23:06:13	COMPLETED	Yesterday, 23:06:13	00:08:11	00:10:16	00:02:05	
SERVICE_1 - 2012/03/05, 23:06:13	COMPLETED	Yesterday, 23:06:13	00:06:28	00:08:09	00:01:41	
SERVICE_4 - 2012/03/05, 23:06:13	COMPLETED	Yesterday, 23:06:13	00:09:18	00:11:04	00:01:45	
SERVICE_2 - 2012/03/05, 23:06:13	COMPLETED	Yesterday, 23:06:13	00:06:11	00:09:55	00:01:44	
SO1_S1 - 2012/03/05, 23:08:51	COMPLETED	Yesterday, 23:08:51	00:09:09	00:11:11	00:02:02	
SO2_S2 - 2012/03/05, 23:08:51	COMPLETED	Yesterday, 23:08:51	00:09:09	00:56:27	00:47:18	
SO2_S3 - 2012/03/05, 23:08:51	COMPLETED	Yesterday, 23:08:51	00:09:09	00:56:28	00:47:18	
FR_TOWNS - 2012/03/06, 10:31:09	EXECUTING(6%)	10:31:09	10:31:11	10:37:41	00:06:43	12:31:09
DMY_SERVICE_LONG - 2012/03/06, 10:31:09	WAITING_PREDECESSOR	10:31:09	10:31:13	10:38:53	00:07:39	14:31:09
DMY_SERVICE - 2012/03/06, 10:31:09	EXECUTING(0%)	10:31:09	10:31:11	10:38:48	00:06:43	13:31:09



Functional Capabilities



- **Event Driven**
 - Internal and external events detection
 - Dynamic build capabilities
- **Workload balancing**
 - Access resources, quantitative resources
- **Managed File Transfer**
 - File events detection
 - Transfers node-to-node
- **Open Integration**
 - API to integrate with via web services
 - Internet of Things Ready
- **Enterprise Scaled**
 - Scaled up to 10 Mio concurrently executed tasks!
 - Security: access and communication
 - Full auditability (SOX)

Full control over processes



Preview of executing tasks

WORKFLOW: [PLUS]SPECTRUM_L_DANE 2016/01/07

Diagram | Restart | Kill | Force Launch | Force Completed | Force Failed | Prioritize | [Pause] | [Play] | [Refresh] | [Close]

[PLUS]SPECTRUM_DANE 2016/01/07 > .. > [PLUS]SPECTRUM_L_DANE_W 2016/01/07 > [PLUS]SPECTRUM_L_DANE 2016/01/07

Description	Opis	Load Time	Yesterday, 00:00:00
Processing Status	Executing (11%), Active items: 12/164	Start Time	Today, 15:14:10
Flags		End Time	Today, 15:23:48
Tags	SPECTRUM	Duration	5m:36s
Priority	0		

Processing | Predecessors | Successors | Resources | Post Processing | Notifications | Processing Variables

Add | Diagram | View Log | Restart | Kill | Force Launch | Force Completed | Force Failed | [Pause] | [Play] | [Refresh] | [Close]

Item	Processing Status	Flags	Start Time	End Time	Duration
[PLUS]APN_DICTIONARY 2016/01/07	Executing (82%)		Today, 15:19:27	Today, 15:20:12	0m:19s
[PLUS]CALL_PACKS_DEFINITION 2016/01/07	Executing (72%)		Today, 15:19:26	Today, 15:20:16	0m:20s
[PLUS]CALL_PACKS_ORDERED 2016/01/07	Executing (97%)		Today, 15:19:26	Today, 15:20:09	0m:20s
[PLUS]ADDRESSES 2016/01/07	Executing (70%)		Today, 15:19:34	Today, 15:20:11	0m:12s
[PLUS]FIXED_BRAND_INFO 2016/01/07	Executing (83%)		Today, 15:19:27	Today, 15:20:12	0m:19s
[PLUS]GENERAL_CODES_DETAILS 2016/01/07	Executing (83%)		Today, 15:19:26	Today, 15:20:12	0m:20s
[PLUS]IN_HU_LIST_DETAILS 2016/01/07	Executing (84%)		Today, 15:19:26	Today, 15:20:12	0m:19s
[PLUS]LOCATION_AREA_DETAILS 2016/01/07	Executing (83%)		Today, 15:19:26	Today, 15:20:12	0m:20s
[PLUS]OCC_CODES 2016/01/07	Executing (81%)		Today, 15:19:26	Today, 15:20:13	0m:20s
[PLUS]PRICING_PLANS_HEADER 2016/01/07	Executing (74%)		Today, 15:19:26	Today, 15:20:15	0m:20s
[PLUS]RELOAD_ORDERS 2016/01/07	Executing (165%)		Today, 15:19:26	Today, 15:20:00	0m:20s
[PLUS]TAX_AUTHORITIES_HEADER_ML 2016/01/07	Executing (87%)		Today, 15:19:26	Today, 15:20:11	0m:20s

Total Records: 12 | View: Default View

Back | Save | Apply | Reset | Close

Process End Time forecasting

Estimation on each and every level

WORKFLOW: [USA]W_GLOBUS_ALL 2015/07/19

Restart Kill Force Launch Force Completed Force Failed Prioritize

Description Ładowanie wszystkich tabel objętych POC

Processing Status **Executing (17%)** Active items: 2/31

Flags

Tags **USA** **USA_MAIN**

Priority 0

Load Time Yesterday, 00:00:00

Start Time Today, 11:12:28

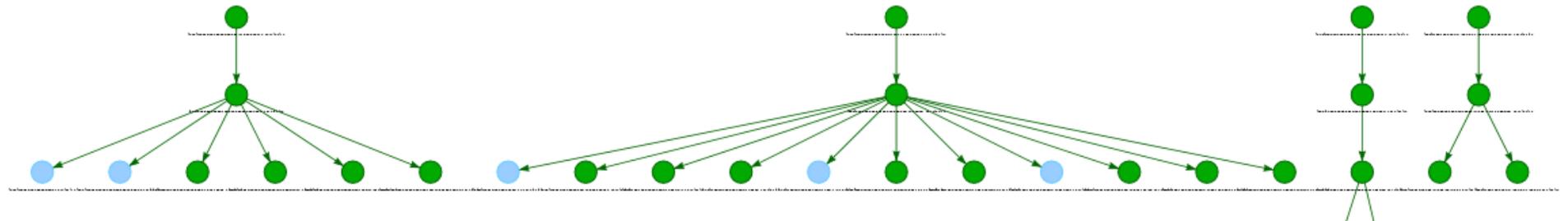
End Time Today, 11:35:18

Duration 2m:22s

Processing Predecessors Successors Resources Post Processing Notifications Processing Variables

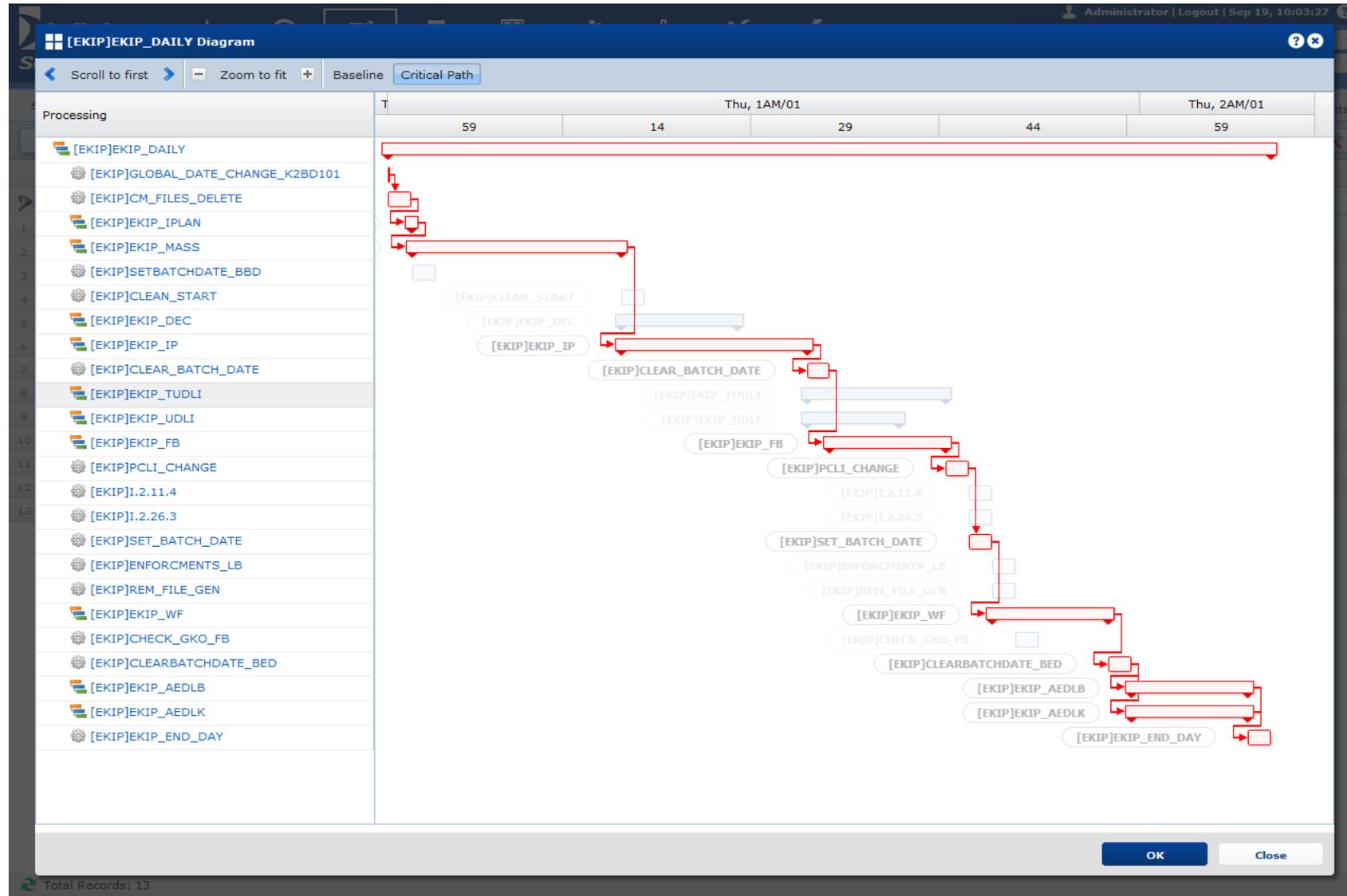
Add Diagram View Log Restart Kill Force Launch Force Completed Force Failed

Item	Processing Status	Flags	Start Time	End Time	Duration
1 [USA]W_GLOBUS_ACCOUNT_FILE_TRANSFER 2015/07/19	Completed	⚠	Today, 10:41:47	Today, 10:51:08	9m:21s
2 [USA]USA_USA00_GLOBUS_ACCOUNT_NORM 2015/07/19	Executing (12%)	⚠	Today, 11:12:30	Today, 11:22:30	2m:20s
3 [USA]W_GLOBUS_ACCOUNT 2015/07/19	Waiting (Predecessor(s))	⚠	Today, 11:22:30	Today, 11:35:18	12m:48s
4 [USA]W_GLOBUS_ACCOUNT_ALT_ACCT 2015/07/19	Waiting (Predecessor(s))		Today, 11:22:30	Today, 11:31:13	8m:43s
5 [USA]W_GLOBUS_ACCOUNT_AVAILABLE_BAL 2015/07/19	Waiting (Predecessor(s))		Today, 11:22:30	Today, 11:23:04	0m:34s
6 [USA]W_GLOBUS_ACCOUNT_JOINT_HOLDER 2015/07/19	Waiting (Predecessor(s))		Today, 11:22:30	Today, 11:23:57	0m:27s



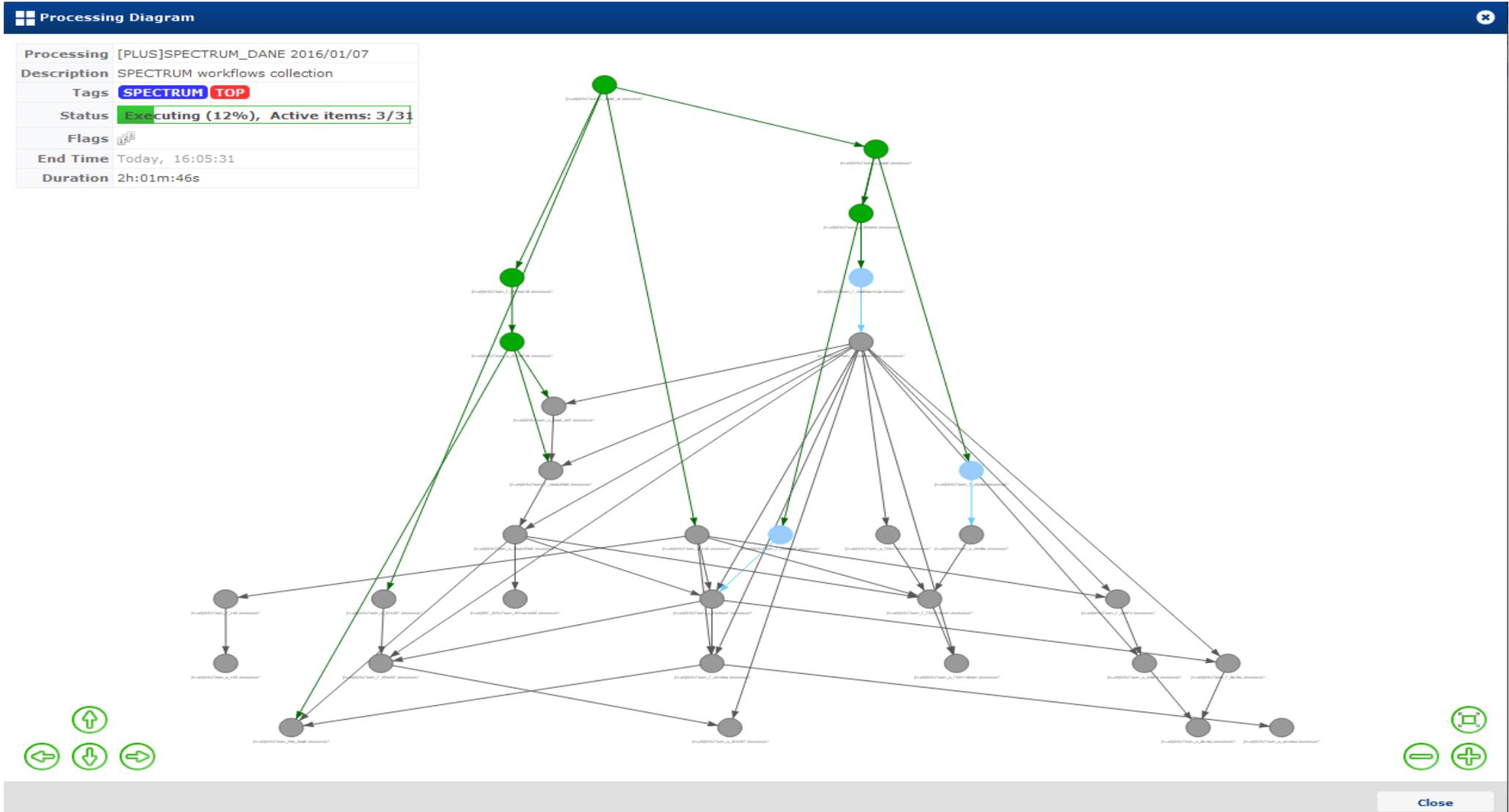
Critical Chain Analysis

Gantt Chart and analysis of bottle necks



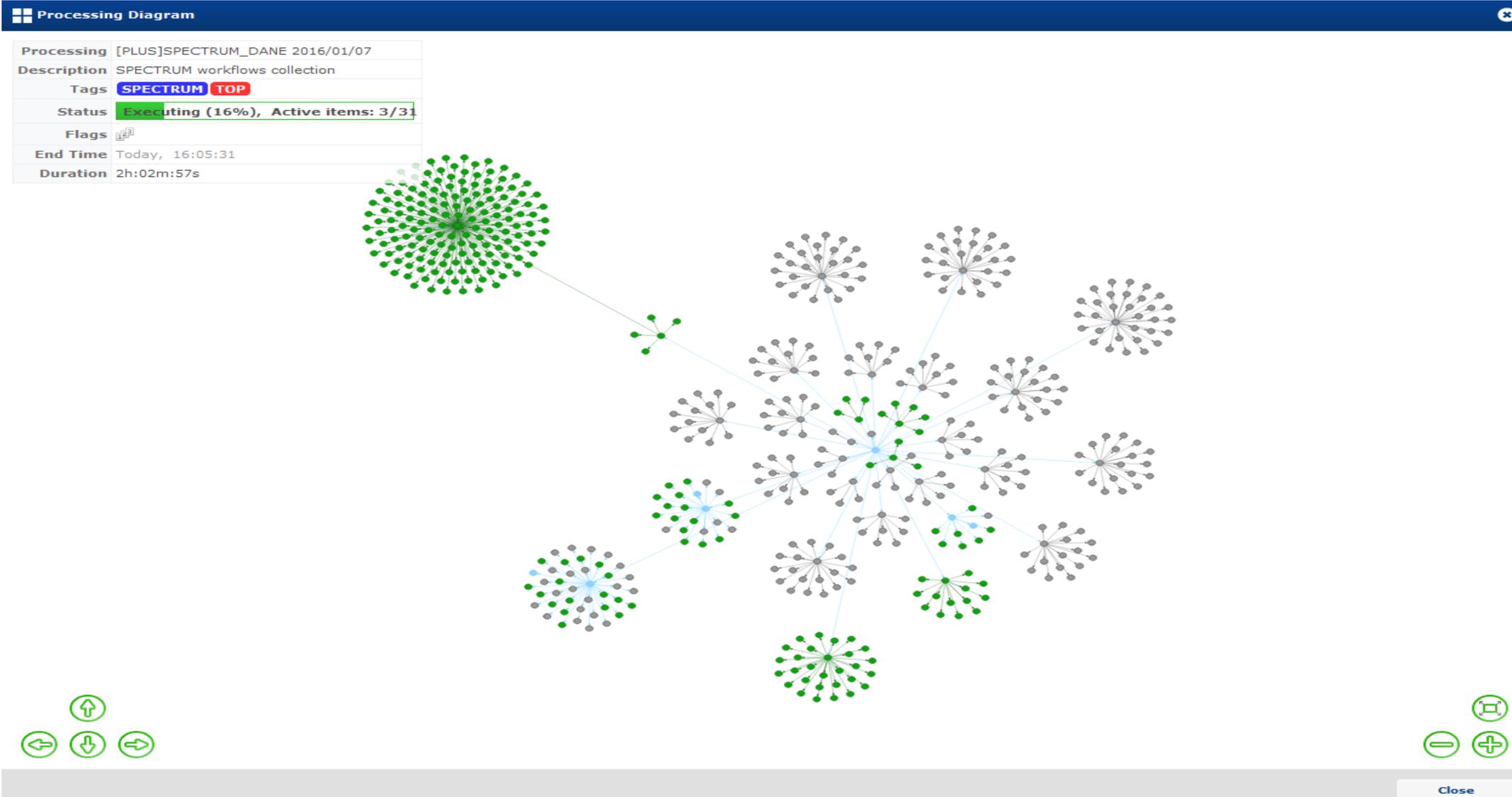
Visualisation

Flow Diagram in monitoring section for an Application



End to End View

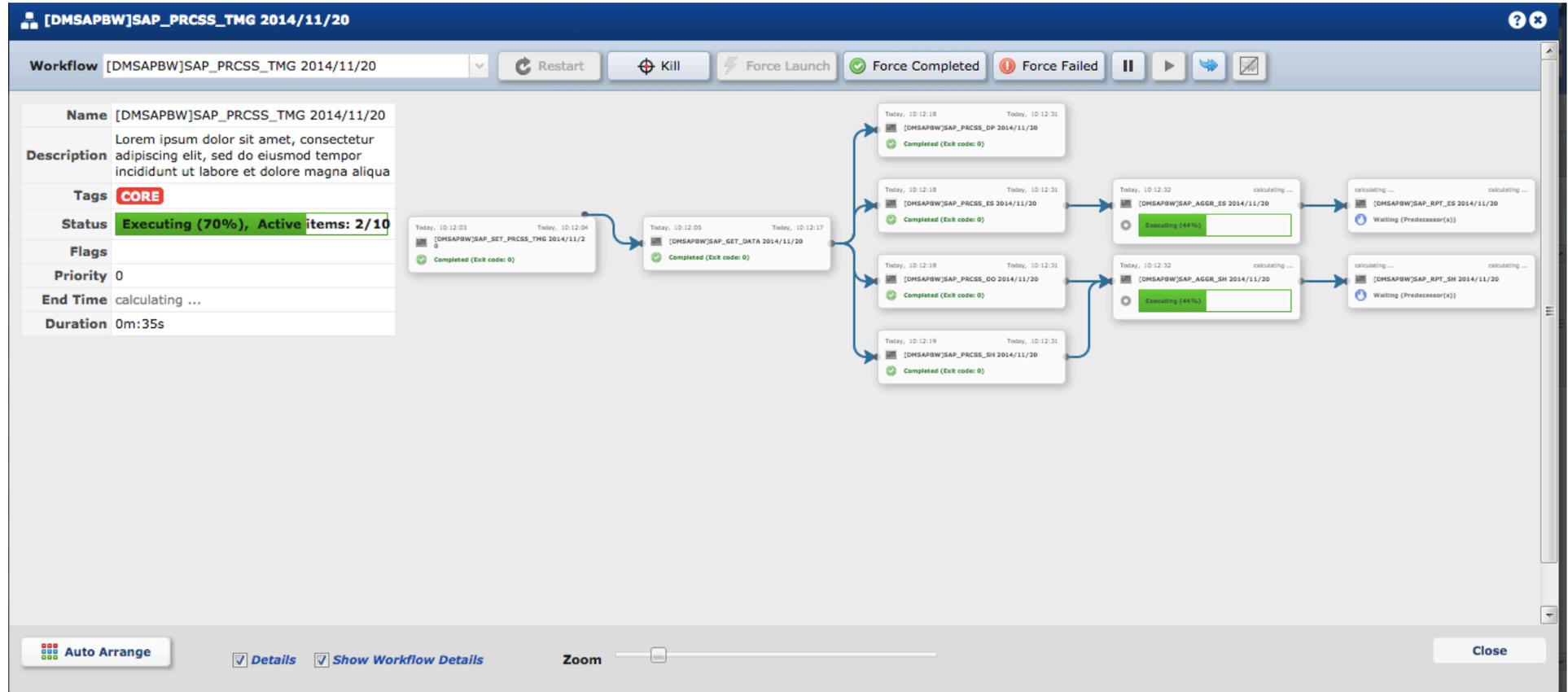
Parent Child diagram



Close

Operations views

Views of application's logical flow



The screenshot displays a workflow management interface for a process named [DMSAPBW]SAP_PRCSS_TMG 2014/11/20. The interface includes a control bar with buttons for Restart, Kill, Force Launch, Force Completed, and Force Failed. A metadata panel on the left provides details about the workflow, including its name, description, tags (CORE), status (Executing (70%), Active items: 2/10), priority (0), and duration (0m:35s). The main area shows a logical flow diagram with nodes representing different steps in the process. The flow starts with a completed node [DMSAPBW]SAP_GET_PRCSS_TMG 2014/11/20, followed by [DMSAPBW]SAP_GET_DATA 2014/11/20. This leads to a parallel split into four paths: [DMSAPBW]SAP_PRCSS_DP 2014/11/20 (Completed), [DMSAPBW]SAP_PRCSS_ES 2014/11/20 (Completed), [DMSAPBW]SAP_PRCSS_DO 2014/11/20 (Completed), and [DMSAPBW]SAP_PRCSS_SH 2014/11/20 (Completed). The ES and DO paths merge into a single path leading to [DMSAPBW]SAP_PRCSS_AGGR_ES 2014/11/20 (Executing 44%) and [DMSAPBW]SAP_PRCSS_AGGR_SH 2014/11/20 (Executing 44%). These paths then merge into a final path leading to [DMSAPBW]SAP_RPT_ES 2014/11/20 (Waiting) and [DMSAPBW]SAP_RPT_SH 2014/11/20 (Waiting).

Property	Value
Name	[DMSAPBW]SAP_PRCSS_TMG 2014/11/20
Description	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua
Tags	CORE
Status	Executing (70%), Active items: 2/10
Flags	
Priority	0
End Time	calculating ...
Duration	0m:35s

SLA Monitoring



Business can monitor it on-line

	Service Level Agreement	Status	Deadline	Forecast with float
1	[SYSTEMS]KHD_TFI_PATH 2015/06/08	Success	Today, 18:00:00	
2	[SYSTEMS]KHD_BZWBK_REPORT 2015/06/08	Success	Today, 00:30:00	
3	[SYSTEMS]KHD_LIFE_PATH 2015/06/08	Missed	Today, 18:00:00	
4	[SYSTEMS]COVERAGES_AGREGATE_CLAS_STRL_US...	Missed	Today, 00:30:00	
5	[SYSTEMS]W_COVERAGES_REPORTS 2015/06/08	On Track	Today, 18:00:00 (6h:56m:00s)	Today, 08:33:47 (9h:26m:12s)
6	[SYSTEMS]KHD_MARKETING_D1 2015/06/08	Success	Today, 18:30:00	
7	[SYSTEMS]KHD_SEZAM_REFRESH 2015/06/08	Success	Today, 18:00:00	
8	[SYSTEMS]KHD_SPRZEDAZ 2015/06/08	Success	Today, 18:00:00	
9	[SYSTEMS]KHD_JV_PROD 2015/06/08	Success	Today, 18:00:00	
10	[SYSTEMS]KHD_IKONTO_REFRESH 2015/06/08	Success	Today, 18:00:00	
11	[SYSTEMS]KHD_ACRM 2015/06/08	On Track	Today, 18:00:00 (6h:56m:00s)	Today, 15:12:57 (2h:47m:02s)
12	[SYSTEMS]CONTACTS_AGREGATE_ACRM 2015/06/08	Success	Today, 18:00:00	
13	[SYSTEMS]GSYS_REMINDER_FILE_SEND_ACRM 2015...	Success	Today, 18:00:00	
14	[SYSTEMS]PRODUCTS_AGREGATE_ACRM 2015/06/08	On Track	Today, 18:00:00 (6h:56m:00s)	Today, 15:12:57 (2h:47m:02s)
15	[SYSTEMS]KHD_JV_CLAIM 2015/06/08	Success	Today, 18:00:00	
16	[SYSTEMS]KHD_MARKETING 2015/06/08	Success	Today, 18:00:00	

Total Records: 464

360 Dashboard



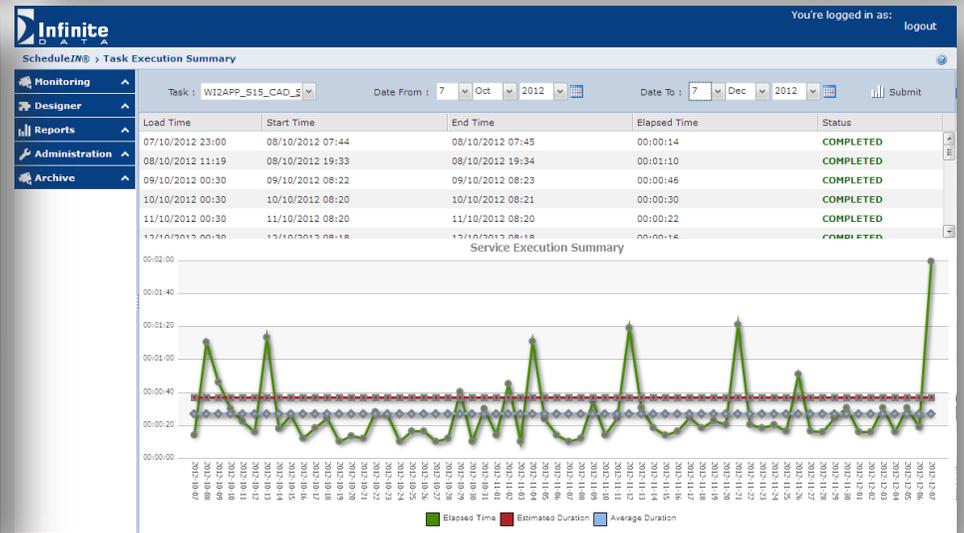
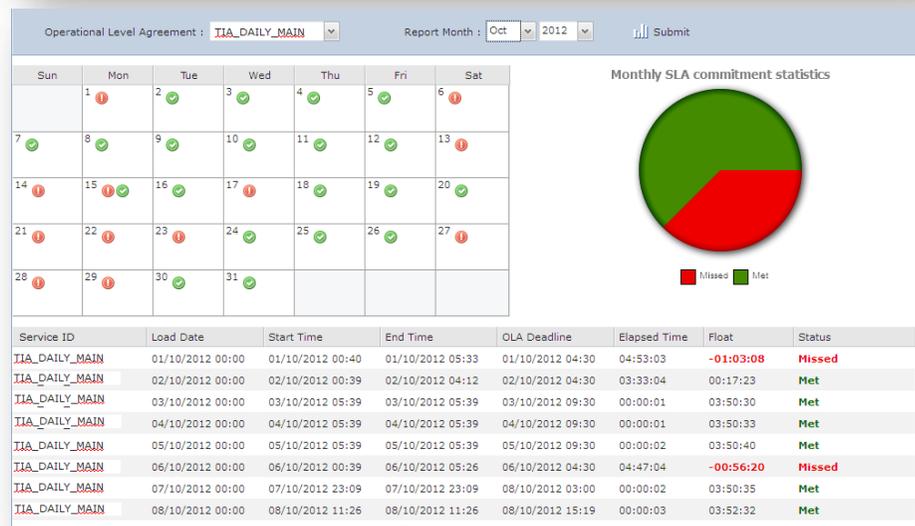
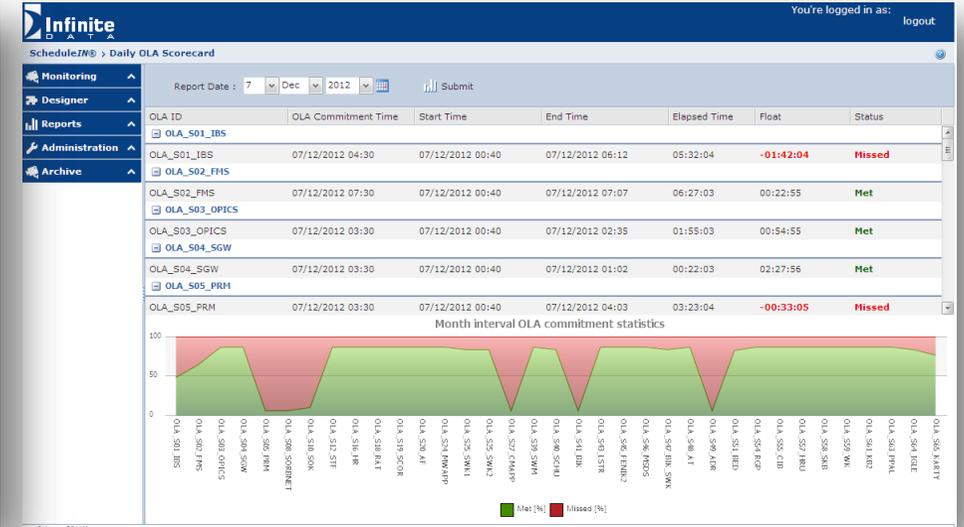
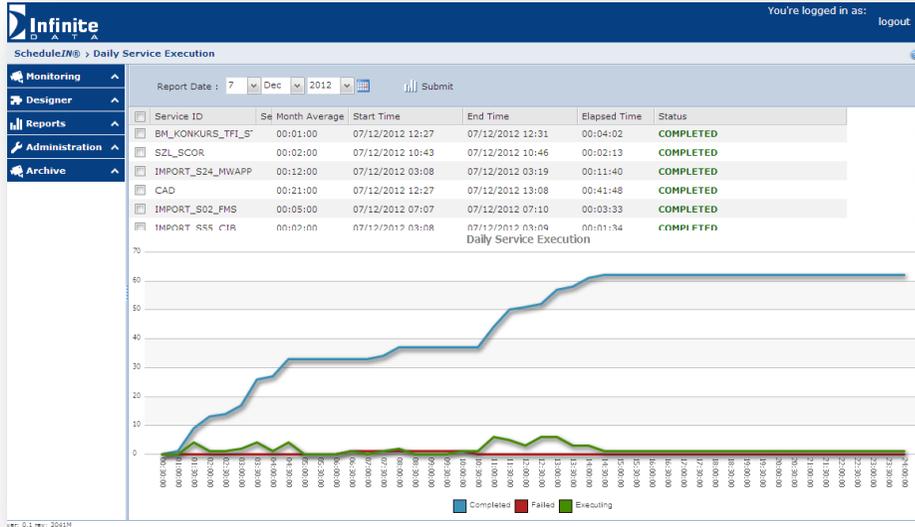
Full view of last 24 hours



Reporting



Set of pre-defined reports



Benefit Areas

Service Reliability

- 20-30% less incidents
- 3 x shorter MTTR
- 20-40% faster processing
- Forecasting ability
- Proactive communication
- Self Service for Business Users
- SLA Monitoring and Protection



**3 x
More Reliability**

Operational Effectiveness

- Automate of IT activities (50%)
- Less operational effort (50%)
- Proactive notification mechanisms
- Process optimization capabilities



**25% - 40%
Lower Costs**

Full Control

- Full Control over processes
- Full control over time of delivery
- Full control over teams activities
- Full control over vendors activities and service level



**4 x
Better Manageability**

Our References



- Automation of BI / DWH Domain
- Self Service Automation
- over 30 users

- **38%** speed up
- **25%** less incidents
- **100%** productivity growth
- **5 x** faster time to recovery
- Self Service BI automation



- IBM Tivoli replacement
- Integration of 8 systems
- Unleash automation

- **20%** less incidents
- **50%** productivity growth
- New automation capabilities



- Enterprise Automation
- 900 servers, over 30 systems
- Over 60 users
- Replaces over 100 different scheduling tools and frameworks

- **5%** more effective HW platform usage
- **30%** less incidents
- **30%** service operations team productivity
- Automation ME, DR, Analytics



- BMC Control-M replacement
- All core banking systems
- Over 30 users

- **50% TCO** reduction
- **Double the area** of automation
- **2 x faster** incident detection



- Improving the HP Innovation impact for Global Customers
- Improve Profitability of MS Contracts by reducing Cost of Running Service
- BMC Control-m Replacement

- Service profitability growth by **50%**
- Better Service Level protection
- Proactive notifications
- WLA TCO improvement by **1416%**

InfiniteDATA

Our Clients



FAVORITE FEATURES MENTIONED IN CUSTOMER INTERVIEWS:

"The ease of implementation tops my list. Transitioning from BMC was very easy."

"I like that the product is very visual. You can see what's happening and react very quickly."

"We find the critical path analysis extremely useful."

"What's super unique is the flexibility of InfiniteDATA as a vendor."

"The console is transparent and provides a full picture."

"We like using it to manage cloud costs. Turning cloud VMs on and off as needed saves us 45% on cloud computing expenses."

"The product is cheaper, better, and more flexible than what we were using."

"I like that a junior admin with two days of training can be effective."



Automate NOW!