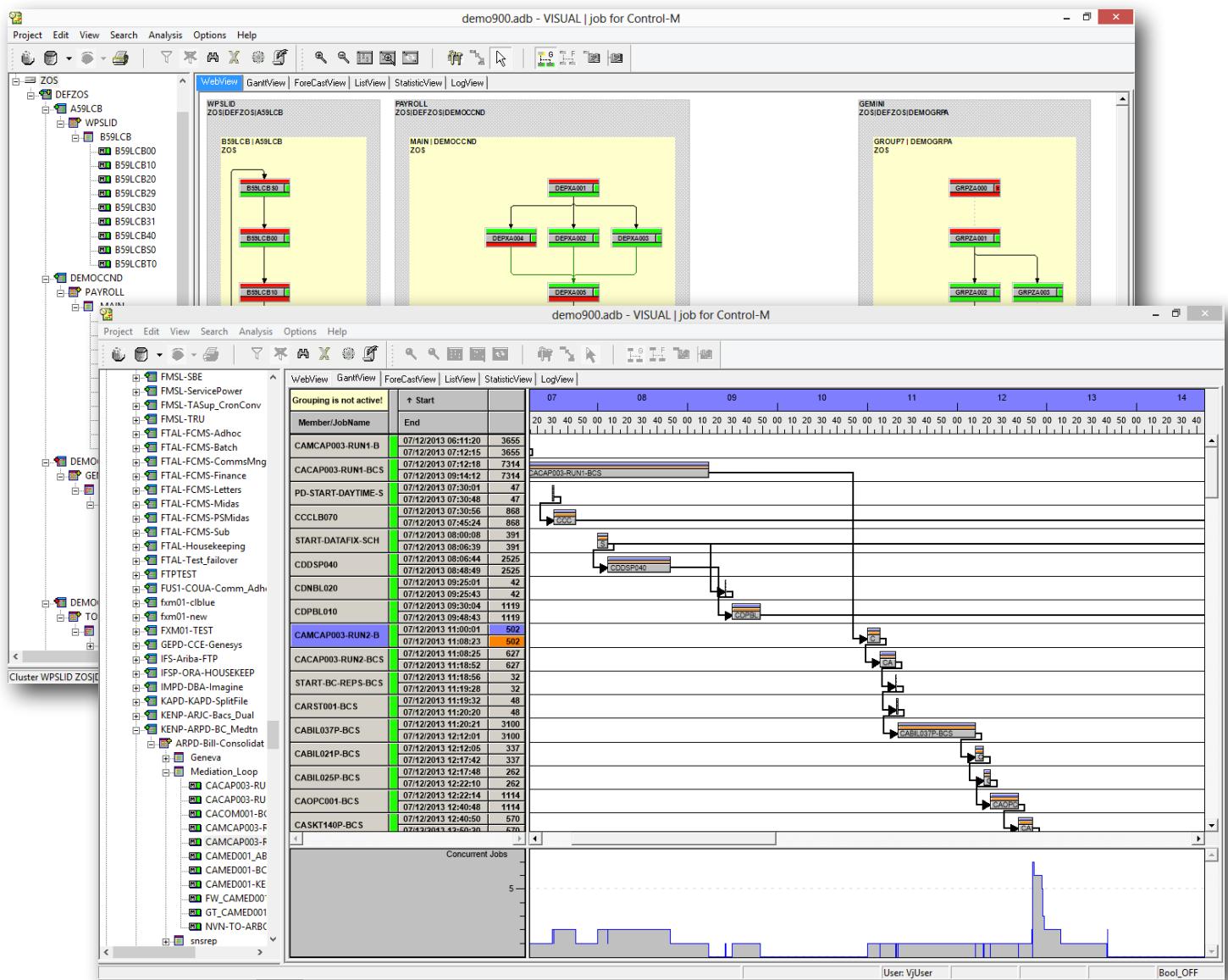




# VISUAL|job for Control-M

## Workload Analytics



# VISUALjob - Overview

VISUALjob aggregates the scheduling definitions and job runtime statistics of your Control-M environment and visualises the result in an understandable and meaningful way.

All aspects of high-quality flowcharting, cross referencing, forecasting, quality assurance, statistical reporting, workload analysis, workload simulation and critical-path simulation for Control-M are available within one integrated solution.

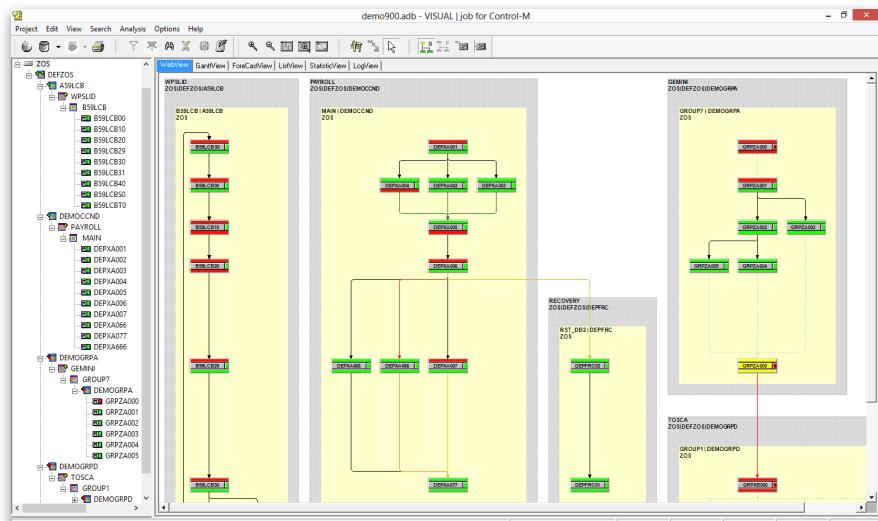
Automation experts and Analysts can now gain reliable information and perform root-cause analysis and workload simulations quickly, replacing labour-intensive information gathering and professional estimates.

VISUALjob is the most advanced Workload Analytics solution for Control-M available today and is essential for the effective management of your Workload Automation environment.

## Features

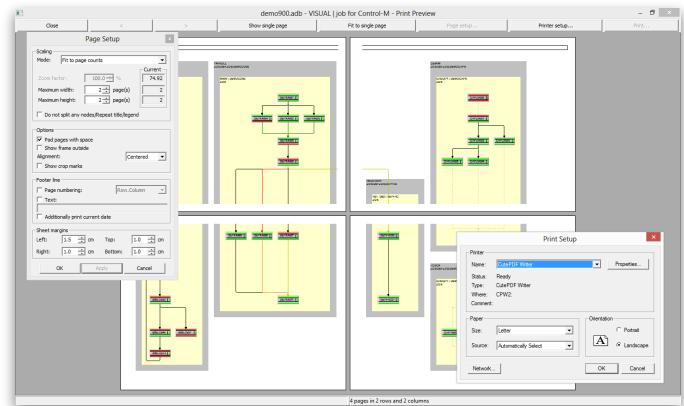
### Flowcharting

VISUALjob for Control-M provides managers, production staff, applications analysts and business analysts with an integrated graphical overview of the Control-M job network that is unmatched. Complex relationships between jobs are presented in an easy and understandable visualisation, not only reducing the time it takes to understand the existing environment, but also pinpointing potential problems and avoiding costly downtime. All Control-M for z/OS and Distributed Systems parameters are supported.



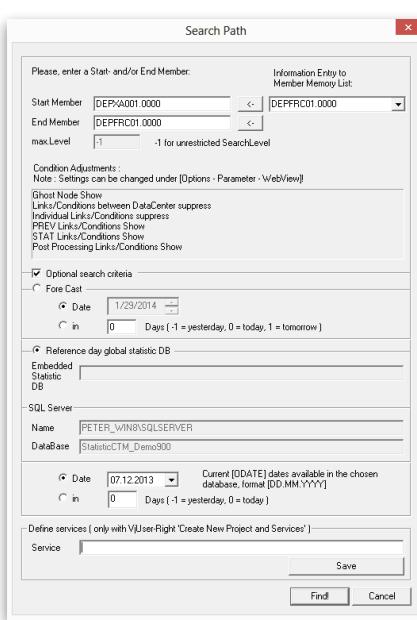
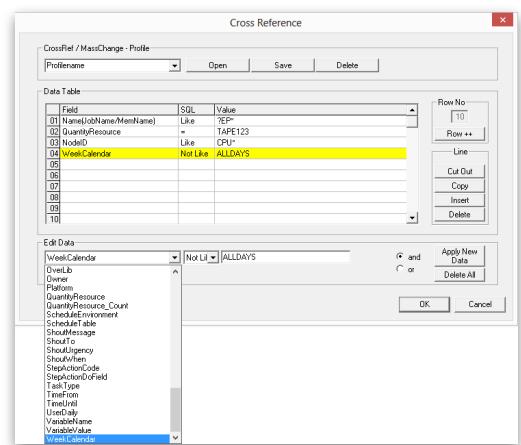
## Creating Images and Printing

Creation of high quality graphics, printouts, PDFs and input for Microsoft Office and VISIO facilitate accurate communications between interrelated departments and better documents the business processes that Control-M supports.



## Cross Reference Reporting

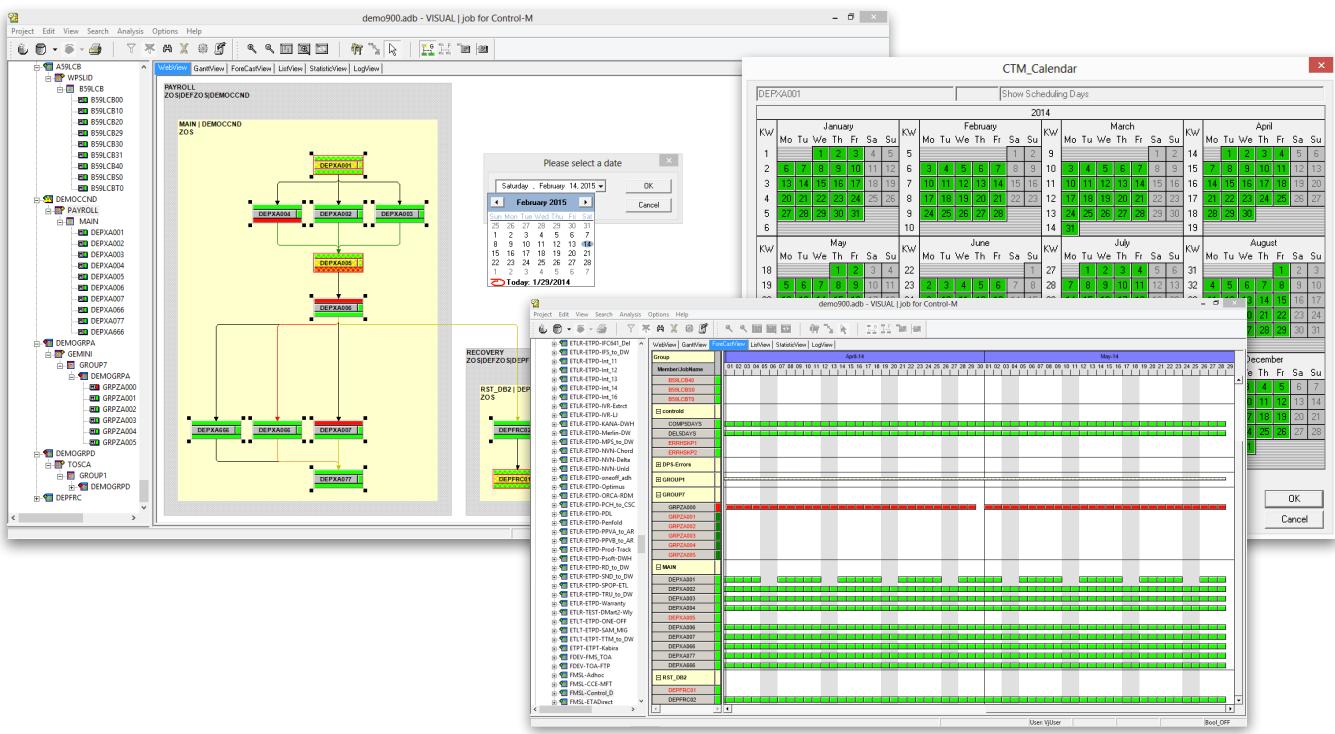
Information about Control-M definitions that previously took hours to produce, or was simply unattainable because of complex relationships, can be generated in seconds without requiring third party products, individual scripting, proprietary skills or production resources. Users focus on the reporting objective, as opposed to the process of achieving that objective.



## Enhanced Path Analysis

In order to understand and analyze a Control-M job net correctly, it is critical that the various paths can be identified quickly and accurately. The path search option of VISUALjob for Control-M can identify and display the Control-M paths from and between a start and/or end job. Combining the path search with the forecast function or the knowledge about how jobs have executed in the past makes the enhanced path analysis a unique and very powerful assistant.

## Integrated Forecasting



Errors can lead to disruptions and delays in production. In order to visualise the schedule or discover possible planning mistakes while designing the job net, VISUALjob provides robust forecasting functions. VISUALjob can forecast at any level, from the individual job or the entire schedule. The forecast can be performed for a specific day or a range of dates. The output can be a flowchart, Gantt chart or spreadsheet.

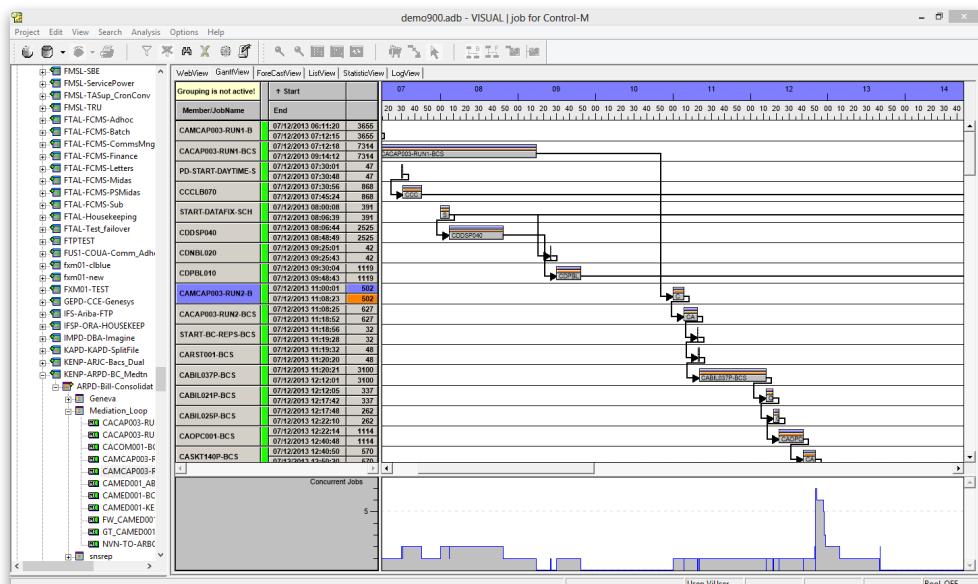
## Statistical Reporting

Free form reports can easily be generated utilizing statistics from past Control-M batch executions collected in the VISUALjob statistical database. Robust filtering criteria can be used to narrow the focus of reports based upon criteria such as dates, times, job, node id, job status, completion status, day of week, and more. No programming or SQL knowledge is required. Reports can be saved, reused and generated in an automated way, saving a lot of time and effort in producing this intelligence.

The screenshot shows the 'Statistic Report - PETER.WIN\SQLSERVER\StatisticCTM\_Demo900' dialog. It includes sections for 'Job Specification' (with a dropdown for 'Job name: BACKUP'), 'Sched Table' (listing various Control-M jobs), 'Application' (listing various applications), 'Node ID' (listing node IDs), 'Node Group' (listing node groups), 'Member Name' (listing member names), 'Comp. Status' (checkboxes for 'Completed', 'Running', 'Pending', 'Queued', 'Aborted', 'Failed', 'Unknown', and 'All'), 'Job Status' (dropdown for 'All Jobs'), and 'Dunkey Jobs' (dropdown for 'All Jobs'). The right side of the dialog has sections for 'Data and time' (filters for 'ODATE' and 'UNK'), 'Actual runtime' (filters for 'Start Date', 'End Date', and 'Start Time'), 'Day of week' (checkboxes for 'Monday' through 'Sunday'), and 'Month' (checkboxes for 'January' through 'December').

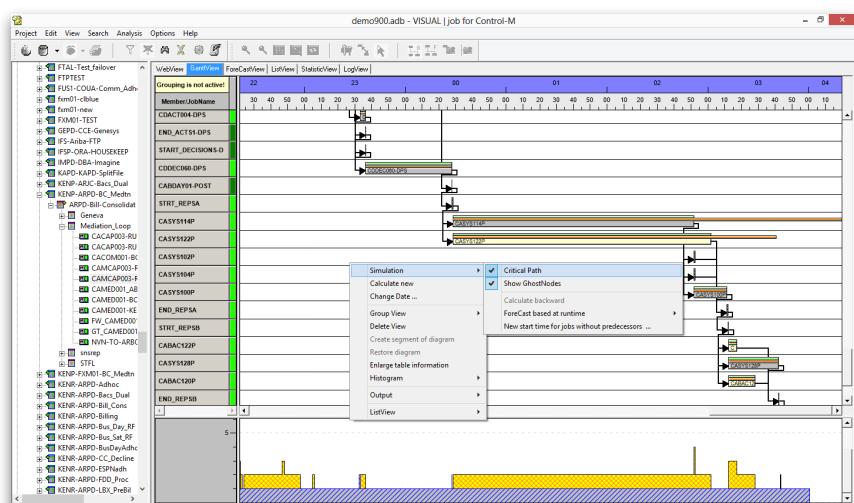
## Workload Analysis

VISUALjob for Control-M enables the user, based on the known job net definitions and the runtime information collected in the VISUALjob statistical database, to visualize past Control-M job executions in a Gantt diagram called GanttView. This provides an excellent graphical overview about what has happened in the past and is an essential key for root cause analysis.



## Workload Simulation and Critical Path Simulation

Predicting future job runs based on realistic statistical information and past experience is a constant challenge. VISUALjob provides comprehensive workload simulation functions with graphical support through the GanttView to perform effective resource utilization and proactive analysis. With predictive analytics, professional guessing is now replaced by an accurate process ensuring that future service level agreements (SLAs) will be met.



## Services

A Service describes a Control-M driven business process which can be defined and uniquely named by a VISUALjob administrator within VISUALjob. The VISUALjob users can call these Services and perform automated root-cause analyses (Workload Analysis) and Workload Simulations with only two clicks.

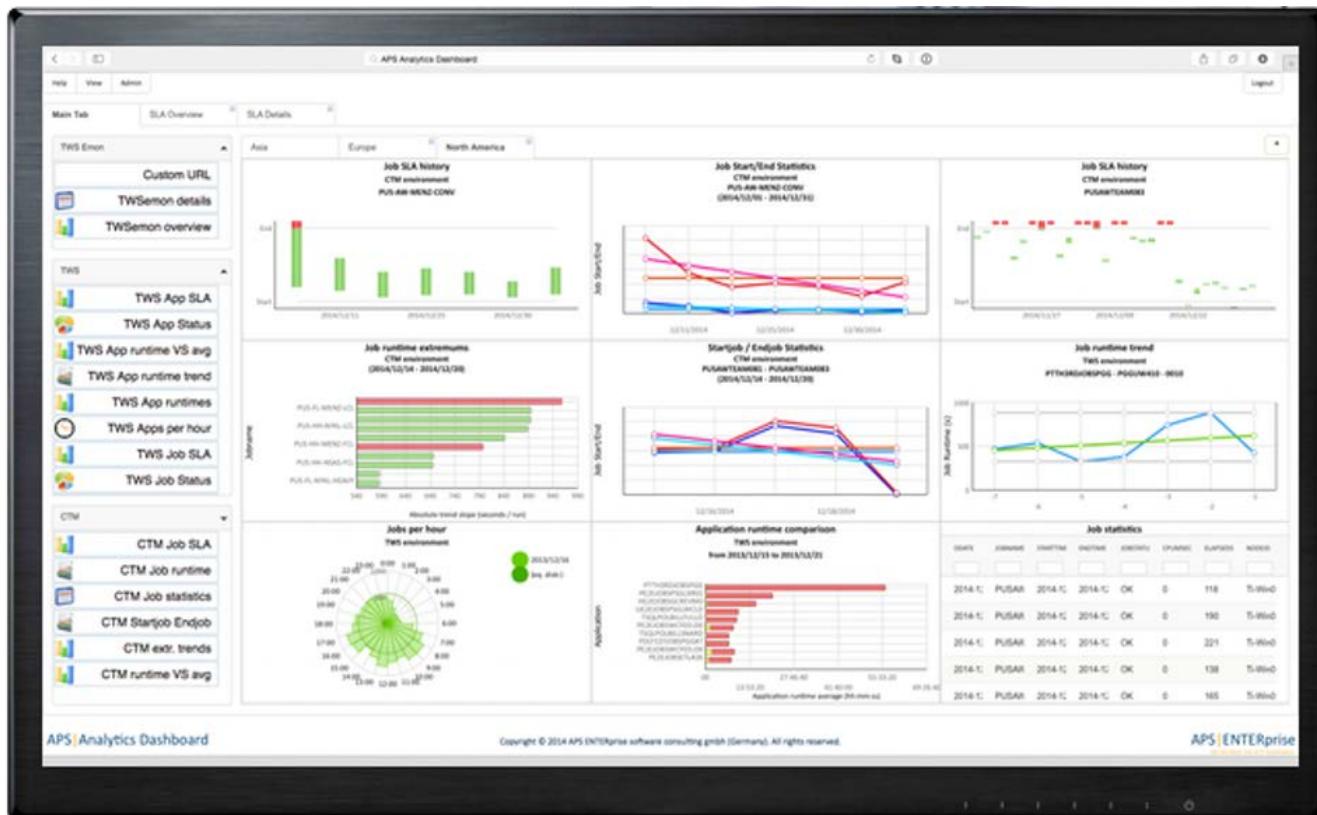
## JCL- and Script-Analysis

VISUALjobControl is the most up-to-date, easy-to-use, fastest way to store, view, analyze and report on JCL and Scripts. VISUALjobControl is part of the VISUALjob for Control-M license. For more information about VISUALjobControl, please refer to the VISUALjobControl brochure.

## Summary

REQUIREMENT	VISUALJOB
High-quality Flowcharting	yes
Creating Images and Printing	yes
Cross Reference Reporting	yes
Enhanced Path Analysis	yes
Integrated Forecasting	yes
Statistical Reporting	yes
Workload Analysis	yes
Workload Simulation	yes
Critical Path Simulation	yes
Services to capture, review and simulate Control-M driven business processes	yes
<u>Integration</u> of the features above, no functional silos	yes
Easy to roll out, no client installations	yes
JCL- and Script Analysis	yes

VISUALjob is the most advanced Workload Analytics solution for Control-M available today and essential for the effective management of your Workload Automation environment.



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