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# What is Supply chain risk management?

Have you ever had a home, and then you find that from time to time things inside the home begin to fall apart or perhaps they do not perform as they were intended? For example, the faucet in the kitchen breaks and is no longer performing properly. Or another example could be an electrical outage caused by the electrical switch which had water leak into it, and all of a sudden we find a short circuit causing power to drop in parts of the house?



How about a car, do you own a car? Changing the fluids and lubricants is required to keep things running, and in addition, every couple of hundred miles, we need to inspect and replace worn tires, replace worn batteries, as well as tune up the engine to assure that it still performs. Certainly you are beginning to see the picture we are painting. If you own things, from time to time we have to inspect them, maintain them, and measure their performance. The same is true for complex supply chain systems for more advanced industry applications. There are several moving parts, components, systems, people, equipment and processes that need to be maintained and keeping track of these requires a high level of coordination, and teamwork, which can become quite complex

## Solution overview – flex supply chain

Our software solutions grant supply chain experts the digital tools needed to assure availability of stock, parts, and it presents digital work flows that assist experts in designing safety and maintenance checklists for different parts and components of their supply chain. In addition, our software assists distributed teams in measuring availability, and notifying when stock items are running low so that they can be replenished on time at the best cost from their 3<sup>rd</sup> party suppliers



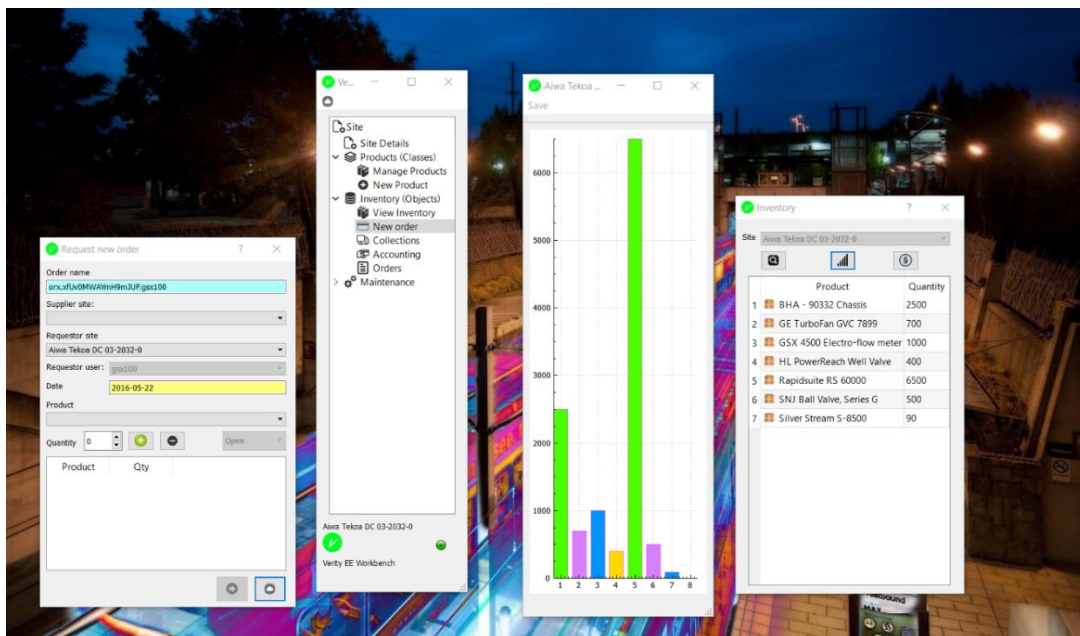
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## It's about building teamwork and collaboration

In a system such as this, it is important to keep members of the team informed about what is going on. In sports, there is an adage that goes "it takes a great team of players to make it happen". Well the same is true when managing the supply chains and flow safety design of complex systems -- the more the right people are informed, the more likely that the wisdom of the many can be put to solving complex challenges, and this is where cloud solutions come in handily

## Verity SCRM Software running on Oracle Cloud Database service

Nowell Development specializes in developing software solutions that solve distributed supply chain challenges in areas such as, demand visibility, notification and availability, risk collaboration and distributed flow safety design. Verity Workbench software is a tool that enables teams to have a digital platform with which to optimize their supply chains for performance, safety and reliability



## Reliability and enterprise grade stability

Our solutions are hosted in the public secure cloud, meaning that their data is accessible from anywhere on the internet, and distributed teams can use the platform to manage their supply chain components. Solutions can now be hosted using Oracles cloud infrastructure which is one of the world's most secure and reliable computing platforms, to guarantee stability, security and availability. In addition, solutions leverage Oracle cloud database as a service which brings Oracle's specialization in enterprise databases combined with our expertise in software

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development and deployment. Our clients have the option of using hosted Oracle Database Cloud Service or MySQL which is hosted in Oracle public cloud infrastructure

The screenshot displays the Oracle Cloud My Services dashboard. At the top, there's a navigation bar with 'ORACLE CLOUD My Services' and options for 'Dashboard', 'Users', and 'Notifications'. Below this, a summary table shows: Services: 2, OCPUs: 2, Memory: 15 GB, Storage: 204 GB, Public IPs: 2. The main section is titled 'Services' and contains a search bar and a 'Create Service' button. Two services are listed:

Service Name	Version	Created On	OCPUs	Memory	Storage
ibstest-dev11g	11.2.0.4 Edition: Enterprise Edition	May 3, 2016 9:39:42 PM UTC	1	7.5 GB	102 GB
ibsedev-12c	12.1.0.2 Edition: Enterprise Edition	May 2, 2016 8:13:07 PM UTC	1	7.5 GB	102 GB

At the bottom of the dashboard, there are links for 'Instance create and delete history' and a footer with 'About Oracle', 'Contact Us', 'Legal Notices', 'Terms of Use', and 'Your Privacy Rights'.

## Security infrastructure, application layer security

Security is very important to our clients, and our solutions have in built security at various levels of the stack from the application layers, using application identity controls, to IP security using Open SSL strong dynamic encryption. In addition, Oracle's public cloud builds in application level firewall rules that can grant access to a private pool (private/hybrid cloud), or to the public on selected application service ports. Application layer authentication is also in built. All these make our solutions more secure and reduce risk of breach. In addition, host side monitoring for anomalies and hosted authentication is available to strengthen the security of enterprise data

## Conclusion

Nowell Development, Verity Workbench software, hosted by Oracle Cloud Database services, will greatly enhance flow safety design and supply chain management operations, enabling suppliers to better meet demand, while managing risk and guaranteeing safety, reliability and availability of their supply chain components

## References

1. [Youtube Demo, Verity Workbench running Oracle Database as a Service](#)
2. [Oracle Database Cloud Service](#)
3. [Oracle white paper – cloud security](#)



*"Give thanks unto the LORD, for He is good, His love endures forever" Psalm 107:1*