



AMAD

WELOCME

DC Soft

DCM – Data Circuit Management

MAIN DEFINITION

data circuit management solution

DCM Pro is a data circuit management solution to **control** and **manage** a **multi-branch** Enterprise / Company **data connectivity**

Data Circuits are identified as a **connection between 2** or More **points** terminated by a router, Such as Leased Line, Fiber Optics, Microwave Link, MPLS

DEFINITION

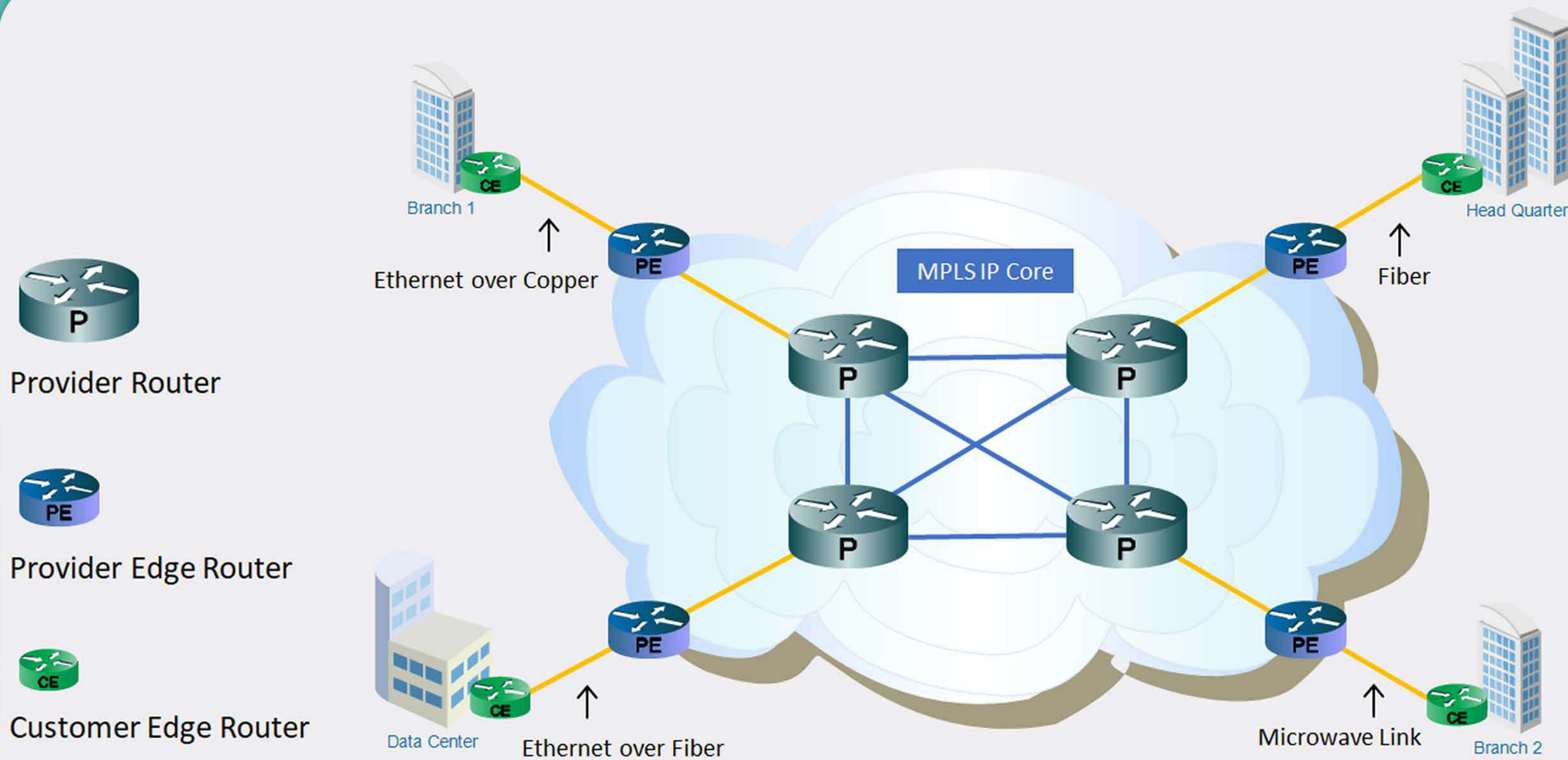
CHALLENGES

BENEFITS

FEATURES

REPORTS

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CHALLENGES 4 US

data circuit management solution

1 | UNAWARE

DATA CIRCUIT

Head Office unaware of the existing data circuits status

2 | UNKNOWN

BANDWIDTH

IT department doesn't know about the bandwidth plan for each data circuit paid to the provider

3 | UNCONTROLLED

PAYMENT

Continuous payment for suspended or cancelled DCs

4 | UNMATCHED

INVOICE

Invoices not matching the actual bandwidth (usually in case of upgrade or downgrade of bandwidth)

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Benefits of having DCM Pro

- Suggest reduced bandwidth plan and saving cost based on the maximum bandwidth usage of each branch.
- Better Decision-Making to upgrade or downgrade bandwidth of a branch.
- Better Matching between the paid invoice vs the actual configured bandwidth of the router.
- Better Forecasting by previewing a budgetary invoice for the upcoming cycle.
- Better reconciliation between the provider and DCM Pro invoices.
- Better Monitoring by tracking and follow up requests sent to the provider for creation, upgrade, downgrade and cancellation of DCs.
- Geolocation Dashboard to visualize Data Circuits based on different Geographic locations.

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Benefits of having DCM Pro

- Able to connect to any Routers brand using SSH or SNMP (v2, v3)
- Data Circuit bandwidth downtime notification by email based on configured consecutive frequency.
- Automatic configuration backup of the Data Circuits.
- Sign-in using OTP, sent via E-mail or SMS.
- Provided bandwidth vs bandwidth usage dashboard.
- Data Utility feature to import/update bulk Data Circuits from Excel file.

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Key features of having DCM Pro

Add different **plans** with bandwidth and monthly/daily subscription fees
Track of Creation/Upgrading/Downgrading/Cancellation of a data circuit

ID	Provider	Status	Circuit Name	Request Date	Due Date	Last modified date	Last modified by
2,214	NTS	Pending	Interface 1570	May 30, 2020	Jun 2, 2020		
2,213	NTS	Cancelled	Interface 2290	May 30, 2020	Jun 2, 2020	May 30, 2020	admin
2,212	NTS	Pending	Interface 11001	May 28, 2020	Jun 1, 2020		
2,211	NTS	Completed	Interface 2180	May 18, 2020	May 21, 2020	May 30, 2020	nassim
2,210	NTS	Completed	Interface 11056	Mar 6, 2020	Mar 8, 2020	Mar 6, 2020	naim
2,209	NTS	Completed	Interface 1570	Mar 6, 2020	Mar 11, 2020	Mar 6, 2020	admin
2,208	NTS	Pending	Interface 1738	Mar 6, 2020	Mar 11, 2020		
2,207	NTS	Completed	Interface 1738	Mar 6, 2020	Mar 11, 2020	Mar 6, 2020	admin
2,206	NTS	Completed	Interface 1738	Mar 6, 2020	Mar 11, 2020	Mar 6, 2020	admin
2,205	NTS	Completed	Interface 1570	Mar 6, 2020	Mar 11, 2020	Mar 6, 2020	naim
2,204	NTS	Completed	Interface 1586	Mar 5, 2020	Mar 10, 2020	Mar 5, 2020	admin
1,204	NTS	Completed	Interface 11004	Feb 19, 2020	Feb 20, 2020	Feb 19, 2020	admin
1,203	NTS	Completed	Interface 11003	Feb 14, 2020	Feb 15, 2020	Feb 14, 2020	admin

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Key features of having DCM Pro

Add different **plans** with bandwidth and monthly/daily subscription fees
Track of Creation/Upgrading/Downgrading/Cancellation of a data circuit

Notification of **overdue** requests

Add **multiple providers** with different email notification template per provider for different type of requests (creation, upgrading, downgrading, cancellation)

Suggest reduced plan based on the maximum bandwidth usage without referring to the provider's invoice

DC-11076					
Current Plan	Cost	Suggested Plan	Suggested Cost	Saving	Saving %
STC_IP_10MBPS_12300 (60 day(s))	24600.00	STC_IP_4MBPS_E2E	13200.00	11400.00	46.3
DC-11101					
Current Plan	Cost	Suggested Plan	Suggested Cost	Saving	Saving %
STC_IP_2MBPS_E2E (60 day(s))	24000.00	STC_IP_128KBPS	1999.80	22000.20	91.7
DC-11116					
Current Plan	Cost	Suggested Plan	Suggested Cost	Saving	Saving %
STC_IP_4MBPS_E2E (60 day(s))	13200.00	STC_IP_128KBPS	1999.80	11200.20	84.9

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Suggest reduced plan based on the maximum bandwidth usage without referring to the provider's invoice

- **Detailed** bandwidth **change history** including the duration, date period and cost for the given plan
- Auto invoices **generation** for all mature data circuits based on the billing cycle of the plan
- Add **different billing cycles**
- **Import invoice** details sent by the providers in xls format

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Rate Bandwidth comparison of actual bandwidth , Configured Bandwidth (if configured on the customer edge router) and maximum usage

<div></div> <div>Account Bandwidth Max(Upload, Download)</div> <div>Start Date: 06-Dec-2016End Date: 06-Dec-2017Generation Date: Dec 6, 2017 2:14:21 PM</div>				
Circuit Name	PlanName	Bandwidth (kbps)	Max Upload (kbps)	Max Download (kbps)
DC 1209	NTS 10MBPS	10000	1000	9500
DC 1210	NTS 4MBPS	4000	500	3000

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DCs comparison of DCM Pro and Providers' list
Financial invoice per DC
Reconciliation between Provider and DCM Pro invoices

Reconciliation Report				
Start Date: 06-Dec-2016		Generation Date: Dec 6, 2017 1:29:44 PM		
End Date: 06-Dec-2017				
Circuit-Name	Provider-Cost	DCM-Cost	Cost-difference	% Cost-difference
DC 01	3069.00	3070.00	-1.00	0.00 %
DC 02	307725	300000	7725	2.57%
DC 03	7500.00	5750.00	1750.00	30.43%
DC 04	7500.00	5750.00	1750.00	30.43 %

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List of DCs connected/not connected to DCM Pro system
List of enabled/disabled DCs
Budgetary invoice per DC for the current/next billing cycle
Disabled Cost Report
Daily max rate and max average rate Report

Start Date: 23-May-2023 Generation Date: Jul 6, 2023 1:55:01 PM
End Date: 23-May-2023
Between: 07:30 and 17:45

DCM-10002

Record Date	Max of the day (Mbps)	Max of Avg (Mbps)
23-May-2023	8	6.2

DCM-10003

Record Date	Max of the day (Mbps)	Max of Avg (Mbps)
23-May-2023	12	8

DCM-10004

Record Date	Max of the day (Mbps)	Max of Avg (Mbps)
23-May-2023	12	6

DCM-10006

Record Date	Max of the day (Mbps)	Max of Avg (Mbps)
23-May-2023	10.7	5.4

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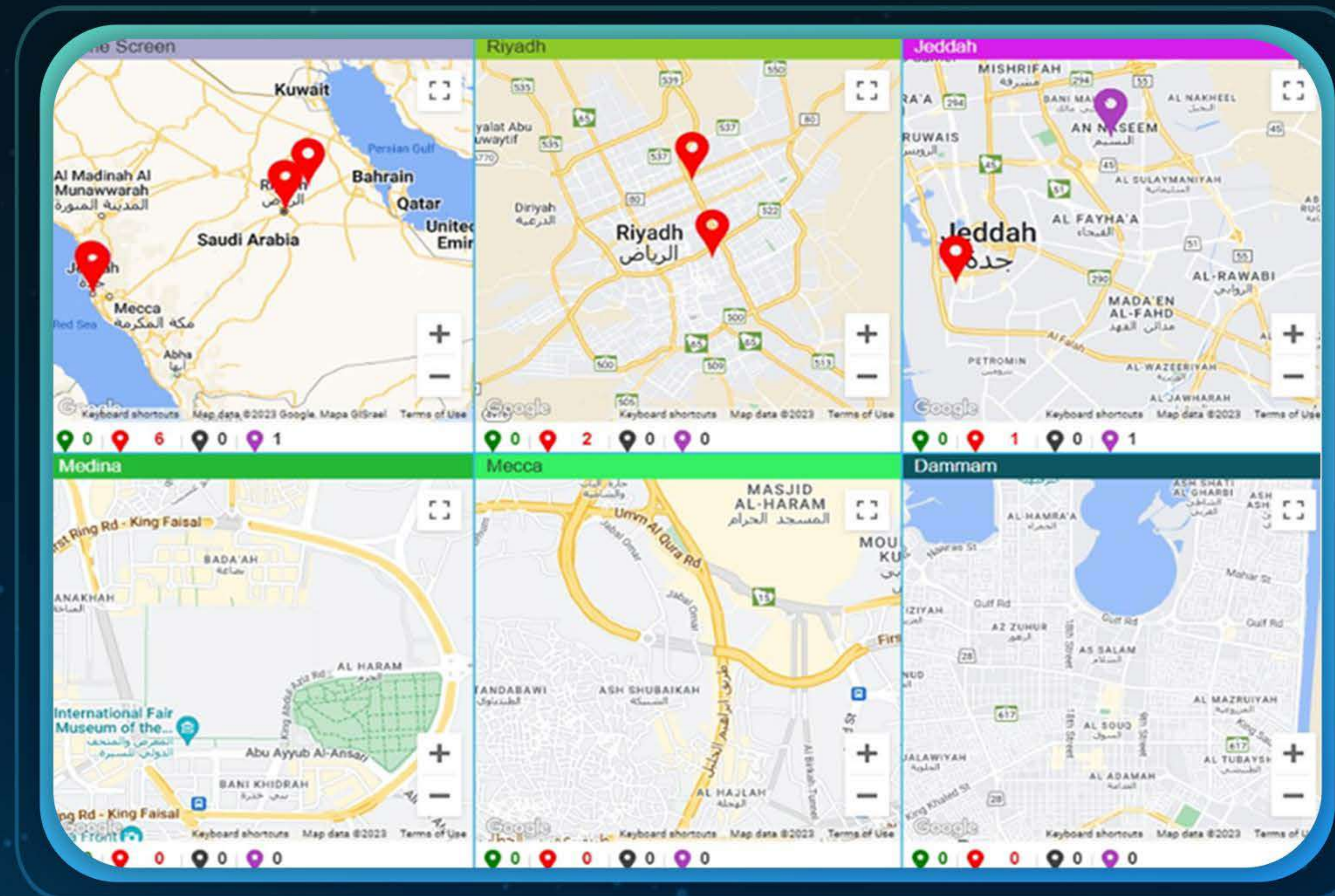
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Geolocation of Data Circuits based on regions
Display of circuit status (enabled, disconnected, canceled, under maintenance)
Multiple screen display with status bar



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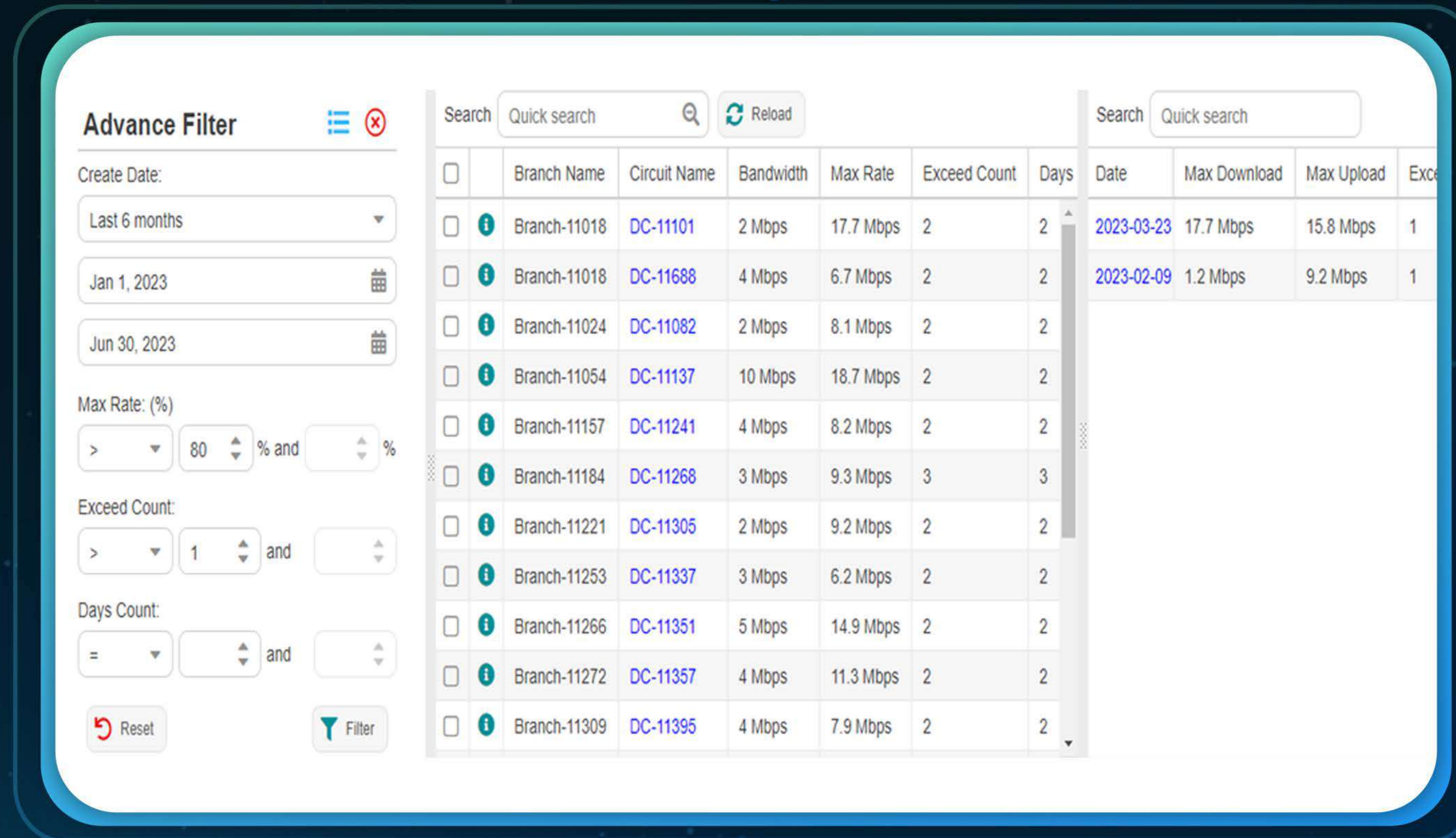
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Bandwidth Usage dashboard



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VALUE DRIVERS

COSTS MANAGEMENT

- Reduced plan costs per branch based on automated suggestions.
- Make upgrades or downgrades based on actual branch needs.
- Better reconcile actual vs billed bandwidth on invoices to reduce billing errors.

RISK MANAGEMENT

- Give IT better view of Data Circuit Network.
- Anticipate network issues in advance.
- Follow up on critical network changes.
- Tracking and Notify the management for any changes on Data Circuit.

MANAGERIAL

- Dashboards and Reports with Network and Bandwidth Usage.
- Better tracking of network provider requests.
- Synchronize billing cycles.

DCM Pro drives significant reduction to your network costs, while decreasing the risk across the network and improving your team's ability to manage.

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QUESTIONS AND ANSWERS



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