Instructional Materials Technology Information

Since EdReports released its first reviews five years ago, the materials landscape has changed dramatically, especially in the area of technology. District questions have evolved from ensuring materials could be accessed on older browsers and versions of operating systems to detailed questions about interoperability, compatibility, security, support, and digital design. These questions have become even more important during the pandemic as districts assess what instructional materials may work best in their communities not just in-person, but also remotely and in hybrid settings. Access to high quality instructional materials by all students is more important than ever, and technology plays an essential role in that access. To help provide technology information for materials that meet alignment criteria in Gateways 1 and 2, EdReports is requesting publishers answer the following questions to help consumers better understand the digital design and capabilities of their instructional materials.

- Section 1 provides broader questions most frequently asked of EdReports about the design of materials. These questions are meant to provide higher level, summary information.

- Section 2 provides more fine-grained details on aspects of design and functionality.

EdReports is seeking the most accurate, descriptive information about curricular products. We are not evaluating quality or desirability, but documenting features in materials to empower local schools and districts with information to select materials that will work best for them given their technological capabilities and instructional vision.

Section 1: Usability Snapshot

This section includes questions on digital design and support that allows users quick access to essential information. Please do not exceed a 150 word limit per question. You may use or remove prompt text in providing additional details. Words in the detail prompt text will not count toward the word limit.

* Note:
"Yes with core product" below should be used to indicate functionality in the materials purchased that are available without LMS integration.
"Yes with dependencies" below refers to functionality present or accessible only through working in a separate LMS, by utilizing other software as a plug-in, or linking externally to sites outside the materials.

Questions	Check Only One				Details
	Yes with core product	**Yes** with dependencies	**No**	Under Development	
Are the materials designed so that students are able to access and complete work online?	X				Snappet Math is designed so that students can access and complete all their work online, directly through the Snappet website. These materials include: • (Grades 1-5) One digital lesson for every day of instruction (600+ total lessons) with a balance of fluency, concept development and application work • (Grades 1-5) Personalized, interactive digital learning experience with embedded remediation and supportive scaffolding based on student struggle • (K) Short, engaging digital activities designed to build number sense with embedded supports that precisely address misconceptions in real time.
In what ways do the materials support learning in hybrid settings (both in-person and remote learning) concurrently?	X				Snappet Math is a top-rated K–5 math program that brings together hands-on teaching and immersive digital learning. Snappet Math offers a personalized digital lesson and instructional materials for a teacher-led lesson for every day

					of math instruction. For Grades 1-5, Digital lessons include instructions with a balance of fluency, concept development and application work, and supportive remediation. Snappet Math also offers real-time reports that support teachers and administrators with monitoring and providing feedback on student progress and struggle through digital lessons. For Kindergarten, Digital Activities are short, engaging and designed to build number sense. Each activity has embedded supports to address misconceptions in real time. Snappet Math also offers a real-time report for K that enables teachers to monitor student progress in their digital fluency work. Snappet is a comprehensive resource that schools can use to support teachers and students when encountering the complexity of hybrid learning.
Are tasks, activities, and lessons able to be printed either for in-class use or for use in at-home learning?	X				Snappet Math offers paper-based student materials that can be printed and used either for in-class or at-home learning, including: ● (K-5) Daily lesson-level resources (all available in downloadable format) and optional materials for practice - Problem Sets, Homework (available in downloadable format) ● (K) Paper-based Problem Sets to complete after the lesson in order to apply conceptual understanding(s) learned during the lesson

Question					Response
Is there instruction so students can work independently (or with an adult at home)?	X				Each digital lesson includes an adaptive fluency, a guided practice, and an independent practice—all of which can be completed independently without adult support. Snappet Activities are also designed to be completed independently without adult support. Each activity is responsive and provides students the feedback they need to progress through the activity and continue to develop understanding, fluency, and overall number sense.
Does the technology facilitate a teacher's ability to differentiate lessons, tasks, or other content for students?	X				Teachers are able to individually assign students to any topic in Snappet's K–5 math curriculum. Each Snappet Math Lesson includes built-in, deep support on concepts from previous topics and grades to support students to access grade-level lessons. Embedded supports precisely address misconceptions in real time to supports students with accessing these digital exercises. Class Reports and Student Reports provide teachers with real-time data on student pace, progress and productivity, so they are empowered with the full information they need to choose deeper interventions when necessary and assign students to foundational lesson content.
Are there tutorials, videos, or other integrated supports in the materials to help educators to understand and/or utilize the materials?	X				Snappet maintains a robust Help Center to provide video tutorials and other resources to support teachers with using Snappet Math. Links to each of these support centers, as well as specific resources, are integrated with the program so that teachers

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Are there tutorials, videos, or other integrated supports in the materials to help parents/guardians to understand and/or utilize the materials?	X				Snappet offers: (1) Parent/caregiver packs to send home to quickly orient to Snappet Math (in English and Spanish) and (2) video tutorials and recorded webinars for parents to walk through quick-start instructions and orient to the components of a digital lesson.
Are all of the following audiences provided access to the product as part of the core purchase? ● parents/guardians ● Educators (Teachers, Administrators, etc.) ● Students	X				Snappet is available to all administrators, teachers, parents/guardians, and students. Students only have access to instructional content and their own reports. Teachers have access to additional features, data, and reports. Administrators with access to a School Account can view school- and district- wide reports on progress, pace, and productivity.
Are the materials designed to integrate with a Learning Management System (LMS)?				X	
Does all content conform to the National Instructional Materials Accessibility Standard?				X	
Is technical support during day-to-day use primarily the responsibility for the client or the publisher?	X				Snappet provides free customer support, including technical troubleshooting/support, to all customers.

Section 2: Technology Checklist

The following checklists are designed to give more detailed information about digital design and technical capabilities in key areas of instructional materials to support state and local decision making. This list reflects details commonly requested by those making purchasing decisions at the state or local level. You may use or remove prompt text in providing additional details.

Design

Design questions address whether the materials are designed to be used digitally in an in-person environment, remote learning environment, or both. Digital design can vary, often ranging from the ability to access files that are identical to print materials online to doing tasks and assessments as part of the program. The ability to take advantage of design functionality may depend on answers to questions in other sections of the checklist such as internet capabilities, number and type of devices, etc.

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Questions	Check Only One				Details
	Yes with core product	**Yes** with dependencies	**No**	Under Development	
Are the materials designed to be used with both digital and print components? Are there print options available for student-facing materials that could be utilized in a blended digital approach? Is the print content identical, similar, or comparable to the digital?	X				___X__ Purchase hard-copy books/workbooks ___X__ Photo copies available for purchase ___X__ Users can print at home Instructional material and associated exercises can be printed, as part of the digital material Snappet provides attachments that make it easy to print and make photocopies. On request Snappet can provide hard-copy versions of these.
Is the digital design of the materials intended to replicate a textbook experience?	X				
Are digital teacher guides available for the materials?	X				Teachers have access to digital teacher guides for all lesson material.

Question					Notes
					For parents/guardians at home, teachers can choose to supply the teacher guides and provide support to the parents/guardians where needed. The teacher planning materials fully connect with the student-facing lessons. These resources are made available at no extra costs.
Do the materials contain videos/animations/simulations for student learning?				X	Every lesson has a full teacher-led instruction video including checking for understanding. This can be used for students who missed a lesson or need extra help.
Is any or all online content dependent on links that are not maintained by the publisher?			X		
Do the materials include opportunities for online collaboration among students?	X				In many lessons, student answers can be seen, combined and interacted with by students collaboratively
Do the materials include built in features for student-to-teacher interaction?	X				Students are be able to submit their work within the digital platform and can take online assessments to demonstrate their thinking. Teachers can grade and set tasks and requirements which influence the feedback students get.
Is a 1:1 device ratio required?			X		While not required, Snappet does recommends 1:1.
Are the assessments contained within the materials able to be securely completed by students online?	X				Yes, for every assessment.
Is data available about user sessions (e.g., timestamps, content being viewed, callbacks fired, etc...)?	X				Teachers and Admin have access to data showing: student recent login date and frequency; number of lessons completed; progress through the curriculum; and other such similar data. Also for every answer given, the time of submission is visible to the teacher. The only users who have access to this data are

					teachers and administrators affiliated with the students' Snappet Math account. Teachers can see the timestamps of their last login attempts. Other info can be requested by the responsible person at the district/school via Snappet support. Snappet has logs of page visits and other access to the materials, these logs automatically expire after a maximum of 6 months. These logs are only accessible for relevant Snappet employees that need to work on product improvements or need to keep the systems operational.
Are there online professional learning supports to help teachers utilize the materials?	X				Snappet provides an implementation PD series to support teachers with establishing systems that support student learning.
Are there parent/guardian resources available for school systems to utilize: • For when there is in-person instruction? • For when there is hybrid instruction? • For creating continued learning plans for distance learning schedules?	X				

Learning Management Systems	Blackboard	Canvas	Eduphoria	Google Classroom	ItsLearning	Moodle	Schoology	Other: Please list below
Are the materials configured to work with one or more learning management systems? Check all that apply.	X	X	X	X	X	X	X	Clever, ClassLink, Google Sign-On

Access to Snappet's digital materials can be embedded directly within any of the above LMS's.
Students can also sign in to Snappet through Clever, ClassLink and Google Sign-On.

System Access

System access questions address how users access the digital materials and what kind of logins/passwords are accepted/supported/required.

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Questions	Check Only One				Details
	Yes with core product	**Yes** with dependencies	**No**	Under Development	
Is single sign-on supported?	X				Snappet supports single sign-on (SSO) through Clever, ClassLink and Google. Other integrations can be considered. Snappet can integrate with open standards like OAuth, OpenID Connect or SAML.
Can the platform manage staff assigned to multiple schools with a single sign-on?	X				
Can co-teachers be assigned to multiple classes?	X				The school administrator can assign a teacher to multiple classes.
Can students who move between teachers or schools using the same materials be re-assigned without losing their work/progress?	X				Snappet allows students to be moved between teachers and between schools, without losing their work and progress.

Question					Comments
Can the platform provide user accounts for staff members (principals and other admin) who are not assigned students?	X				• Principals and admins can be assigned access to the entire school and get a school-level view. • District-level access is also possible: the district admin gets a district-level view across schools. • Available roles are: student, teacher, teacher with access to multiple classes, admin, district admin. These can be assigned in the LMS (in case of LMS integration) or in Snappet. • No additional purchase is required, this is part of the standard contract.
Can passwords be reset without assistance from trained IT staff?	X				Users can request a new password, which triggers an email that allows the user to reset the password. This applies both to students and teachers and all staff, provided that an email address has been associated with the user. If Single Sign-On has been activated, the user can reset the password via the existing authentication system.
When working offline, does the product automatically sync when a connection is re-established?			X		Snappet requires a stable internet connection. In order to provide a robust user experience, Snappet can handle short network glitches: a device can be offline for up to 0.5-1 second, in which case Snappet will sync with the servers after the network glitch is over.

Technical Support

Technical Support questions are designed to help users understand what assistance to expect. These details are important to consider alongside local capacity for devices, networks, and use. Considering what level of independence users will have alongside these criteria can help schools and districts reflect on their needs for support.

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Technical Support	Check Only One				Details
	Yes with core product	**Yes** with dependencies	**No**	Under Development	
Is technical support provided to districts during initial set-up and deployment?	X				Snappet will help the district set-up the roster, logins, LMS / Single Sign-On integration. A Snappet representative will guide the district through these steps. After that, Snappet support provides full support in case of questions.
Is technical support provided during the duration of the contract?	X				Snappet support provides districts/schools with technical support where needed. If students or parents need support, the district/school can contact Snappet on behalf of them. Support is offered during business hours and can be contacted via email. Requests will be responded to within 24-48 hours.
If utilizing a free or trial version, is technical support provided?	X				
Are there self-service supports for troubleshooting?	X				Snappet's Help Center contains robust FAQs addressing common troubleshooting questions.
Does technical support include planning for emergency access and district support?	X				Snappet provides emergency points of contact in case schools or districts have blocking issues.

Compatibility

Compatibility questions address technical compatibility specifications. It is designed to help users understand how the materials will look and operate on various devices. These details are important to consider alongside local capacity for devices, networks, and use. Understanding what devices function best can help determine users' needs for district device or technical support.

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Questions	Check Only One				Details
	Yes with core product	LMS Dependent	**No**	Under Development	
Does the product have a native mobile application?			X		Instead, Snappet can be used on any mobile with a supported web-browser; via the web-browser, Snappet can be bookmarked as an app icon on mobile home screens.
Is the product browser-based?	X				
Does the product use responsive design for rendering on smartphones?	X				
Does the product use responsive design for rendering on tablet devices?	X				
Does the product use responsive design for rendering on laptop devices?	X				
Does the product use responsive design for rendering on desktop devices?	X				
Are all users (students/teachers/staff/admin/parents) permitted to use the product on more than one device (e.g. computer at school and a laptop at home or a smartphone and a laptop)?	X				No additional licenses or downloads are needed.

Device Type	Mark box if device is compatible	Oldest operating	Newest operating	Details Indicate if the materials are designed for a specific device type or if they are generally compatible.

		system/version supported	system/version supported	
Windows	☑	MS supported	MS supported	MS-supported Windows versions using one of the last 2 years' stable versions of: Chrome, Edge, or Firefox.
Linux	☑	LTS versions	LTS versions	Linux versions with "Long Term Support" (LTS) using one of the last 2 years' stable versions of: Chrome, Edge, or Firefox.
Windows Tablet	☑	MS supported	MS supported	Tablets with MS-supported Windows versions using one of the last 2 years' stable versions of: Chrome, Edge, or Firefox.
Apple Laptop/Desktop	☑	Apple supported	Apple supported	Apple-supported MacOS versions using one of the last 2 years' stable versions of: Safari, Chrome, Edge, or Firefox.
iPhone	☑	Apple supported	Apple supported	Apple-supported iOS versions using one of the last 2 years' stable versions of: Safari, Chrome, Edge, or Firefox.
iPad	☑	Apple supported	Apple supported	Apple-supported iOS versions using one of the last 2 years' stable versions of: Safari, Chrome, Edge, or Firefox.
Android Phone	☑	LTS version	LTS version	Phones where Android still has "Long Term Support" (LTS), using one of the last 2 years' stable versions of: Android browser, Chrome, Edge, or Firefox.
Android Tablet	☑	LTS version	LTS version	Tablets where Android still has "Long Term Support" (LTS), using one of the last 2 years' stable versions of: Android browser, Chrome, Edge, or Firefox.
Chromebook/Chrome OS	☑	Google supported	Google supported	Google provides "Long Term Support" (LTS), and uses one of the last 2 years' stable versions of: Chrome, Edge, or Firefox.
Amazon Fire OS	☑	Amazon supported	Amazon supported	Amazon provides "Long Term Support" (LTS), and uses one of the last 2 years' stable versions of: Chrome, Edge, or Firefox.
Other E-Reader	No			
Interactive Whiteboard	☑	Vendor supported	Vendor supported	Versions supported by the vendor (still receiving updates), running one of the last two years' stable versions of: Chrome, Edge, or Firefox. The Snappet dashboard will dynamically adjust to the size of the interactive whiteboard and provide whiteboard optimized tools.

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Browser		Operating System						
		Apple		Windows				
	Check if browser is compatible	Oldest version supported	Newest version supported	Oldest version supported	Newest version supported	Linux	Chrome OS	N/A
Chrome	☑	2 years old	Latest	2 years old	Latest	2 years old	2 years old	
Firefox	☑	2 years old	Latest	2 years old	Latest	2 years old	2 years old	
Safari	☑	2 years old	Latest	2 years old	Latest	2 years old	2 years old	
Edge (formerly Internet Explorer)	☑	2 years old	Latest	2 years old	Latest	2 years old	2 years old	
Internet Explorer	No							
Other:____								
Additional Notes: The web browsers supported by Snappet are the last 2 years' stable versions of Chrome, Edge, Safari, Firefox and Android browser.								

Accessibility

Curricula with digital capabilities integrate accessible supports in a variety of ways. Accessibility questions pertain specifically to diverse learners who may need specific supports to be able to successfully interact with materials.

Questions	Check Only One	

	Yes with core product	Yes with dependencies	No	Under Development	Details
Screen Readers		X			Visual parts of the materials (like drag & drop) are not screen reader accessible, the other parts of the materials are.
Screen Magnification Software	X				
Text Readers	X				Text is compatible with browser text-to-speech tools or external text readers. Snappet also has a built-in reading-out-loud feature.
Adjustable Print Size	X				
Speech Input Software	X				Students can use speech software to control manipulatives, buttons and inputs.
Header Point Devices			X		
Motion/Eye Tracking Devices			X		
Single Switch Entry Devices	X				Snappet is fully keyboard accessible for students, and also works with alternative input devices.
Braille Readers/ Display Devices		X			Snappet has not explicitly tested with Braille readers. For applicable materials, Braille or other accessible formats will be available via the NIMAS format.
Closed Captioning			X		Snappet does not require media with dialogue and sounds: it is only applicable to the instructional videos offered in Snappet, which is an optional alternative that teachers can offer to students.
Alternative Input Devices	X				Snappet is fully keyboard accessible for students, and also works with alternative input devices.

High Color Contrast Display Options		X			Snappet does not have built-in settings for high color contrast, but is compatible with browser accessibility extensions that provide high color contrast options.
Translation of Text to Other Languages	X				If the device/browser offers built-in translation options, this will work with the Snappet app and Snappet content.
Bilingual Dictionaries available for students		X			Snappet does not offer built-in dictionaries, but allows these to be used on the same device if the school offers these on the device.
Are there required accessories (headsets, speakers)?			X		Snappet can be fully used without headsets / speakers.
Multiple Playback of audio/video	X				The standard Snappet content does not require any audio/video, in case of instructional videos (which can be used optionally if available) these support multiple playback.
Can students adjust the speed of audio/video playback?		X			If the embedded video player for web pages supports it on the device/browser being used by the school, it is possible to adjust audio/video playback speed. For the built-in reading-out-loud feature, the teacher can adjust playback speed per student.
Are these accessibility supports able to be turned on/off?			X		Currently, Snappet does not have accessibility elements that should be able to be turned off.
Does all browser-based technology satisfy the Web Content Accessibility Guidelines or VPAT?				X	Snappet is committed to follow WCAG 2.1 Level AA and the Rehabilitation Act Section 508 for students. Snappet aims to continuously increase compliance as part of on-going updates. Currently, Snappet does not have a VPAT.

Additional Technology Specifications

Data Security and Privacy

Data Security and Privacy questions address how student data storage, disposal, and adherence to privacy laws are addressed. If applicable, privacy reports and/or certificates can be found next to the respective indicator.

Questions	Check Only One			Details
	Yes	**No**	**Under Development**	
Data Security: Are data elements encrypted at rest, i.e. in a database or file system?	X			Data at rest is encrypted using AES-256 encryption, if it involves data exchange with external systems. For all other data, alternative measures are taken: (1) all data is stored in AWS datacenters making it almost impossible to gain access to and find the physical servers/disks with Snappet data on it, additionally data is scattered across multiple physical disks in the AWS storage solutions that Snappet uses. (2) data at rest is encrypted if it involves data exchange with external systems. (3) data risks are mitigated further by splitting data across multiple datastores, so that none of the datastores contain both personal details + learning results; this means that all individual datastores are medium-level by itself and a high confidentiality risks can only be achieved through combining multiple datastores. (4) the likelihood of being able to combine datastores is already very low and has been further reduced by (a) hosting data stores in separate AWS hosting accounts, (b) active monitoring of configuration security with AWS SecurityHub, (c) automatic threat detection using AWS GuardDuty in all hosting accounts, (d) periodic penetration tests and resolution of any high risks that are found, (e) credentials needed for access to a databases are stored in encrypted form using AWS KMS.
Data Security: Do the materials refer students to video, content, and other online sources that are not native to the materials?		X		
Data Security: Does the end-user licensing agreement allow customers to scrape data from the product?		X		If needed, customers can request data exports via Snappet support.

Feature/Requirement/Specification	Yes	No	Under Development	Details
Privacy: Is personally-identifying student data provided to, generated by, or stored in any systems used by the product?	X			All personally identifying data is stored within US data centers, using the following sub-processors: • Amazon Web Services (platform hosting): user data, learning results and progress of students. • New Relic (monitoring): IDs and IP addresses, logging data expires within 6 months. • Raygun (monitoring): IDs and IP addresses, logging data expires within 6 months. • Sendgrid (emails): no data is stored, emails containing contact data are sent via this supplier. • Zendesk (support): contact data and information shared by districts/schools for support purposes.
Privacy: Does the product/vendor make their student privacy policy publicly available?	X			See https://snappet.org/privacy/
Privacy: Does the product conform with FERPA regulations (e.g., allows districts to maintain direct control of the student record, implements permissions to prevent unnecessary disclosures, etc.)?	X			
Privacy: Has a third-party evaluated the product for FERPA compliance?		X		
Privacy: Does the product allow registration or data collection from children under the age of 13?	X			In the Client Agreement with Snappet, it is agreed that the client is responsible for providing any legally required notices and obtaining any necessary permissions, including permissions under COPPA for children under 13 years of age for student Users to use the Platform.

Installation

Feature/Requirement/Specification	Check Only One			Details
	Yes	**No**	**Under Development**	
Is the product downloaded to individual devices: one-time internet connection required?		X		No downloads required, Snappet works online.

Is the product installed on individual computers (from CD-ROM/DVD, flash drive, etc.): no internet connection required?		X		No downloads required, Snappet works online.
Is the product installed on LAN/WAN (school or district server): no internet connection required for teachers/students after installation?		X		No downloads required, Snappet works online.
Required server configuration. Do network admins need to ensure a specific set of domains are white listed to allow the internet traffic to those endpoints?	X			The following should be whitelisted: ● all URLs ending with (.)snappet.org ● For reading out loud exercises/dictations, all URLs ending with (.)readspeaker.com
Does the product support deployment through Mobile Device Management (MDM) systems?	X			Snappet is not a native App: the access to and deployment of shortcuts to the Snappet web application can be controlled using MDM.
Does the product provide a detailed schedule of updates that minimizes access interruption?	X			Snappet always attempts to schedule updates when district schools are not in session; only if that is not feasible, Snappet will provide clients a detailed schedule of those updates, with 14 days advance written notice.
Does the login authentication use district protocols to establish unique and memorable usernames and passwords?	X			Districts can adopt the IDs they normally use by either (a) using Single Sign-On (currently Clever and ClassLink are supported out of the box), or (b) by supplying in export of these IDs that Snappet can process.
Is there an option for concurrent user licensing?		X		

Standards Compliance/Certification	Check all that apply	Details
SIF	-	
CEDS	-	

EDUPUB	-	
Ed-Fi (SIS/ODS)	-	
Ed-Fi (Assessments)	-	
MS Global (Competencies and Academic Standards Exchange)	-	
IMS Global (Comprehensive Learner Record)	-	
IMS Global (Open Badges)	-	
IMS Global (One Roster)	X	Snappet can exchange data using the OneRoster format. Snappet does not support the OneRoster API
IMS Global (Caliper Analytics)	-	
IMS Global (Question and Test Interoperability (QTI))	-	
IMS Global (Learning Tools Interoperability (LTI))	-	
IMS Global (LTI Advantage)	-	
IMS Global (Common Cartridge)	-	
IMS Global (Lite Common Cartridge)	-	
IMS Global (Open Video)	-	
Other: Clever, ClassLink	X	● Clever: see https://www.clever.com/app-gallery/snappet ● ClassLink: search the ClassLink App Library for "Snappet"

Implementation and Scalability	Yes/No or Value
What is the average page load time?	● 0.1 to 1 seconds where instantaneous behavior is required.

	• 0.5 to 2 seconds where it is sufficient to receive a signal or acknowledgement that a command or instruction has been received.
	• 2 to 5 seconds where it is sufficient to provide an indication of progress or results:
	   ○ Within 2 seconds for simple instructions.
	   ○ Within 5 seconds if the process is perceived as a complex task.

What is the required bandwidth per user?	Snappet Student App, per concurrent user: • 0.5 Megabits per second - Required broadband connection speed • 1.5 Megabits per second - Recommended broadband connection speed Snappet Teacher Dashboard, per concurrent user: • 1.5 Megabits per second - Required broadband connection speed • 2.5 Megabits per second - Recommended broadband connection speed
Are results of stress tests provided to customers?	No, Snappet ensures that customers do not have to worry about this by making sure that the platform continuously meets the desired performance given the specified system requirements.
Is a disaster recovery plan for data provided to customers?	Yes, Snappet has a disaster recovery plan and incident response process for safeguarding the data, which is available to customers upon request.
Are customers provided with a standardized implementation plan to ensure a successful rollout?	Yes
Does the service level agreement include uptime guarantees of at least 95% excluding planned maintenance/down-times?	No
Does the product require a VPN for off site access?	No, VPN is not required for off site access.

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